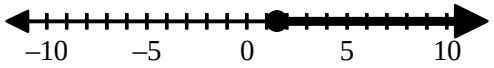
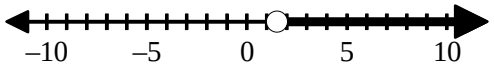
1. Solve the inequality $4x-5\le 2(x-1)$ and check your solution. Graph the solution on a number line.

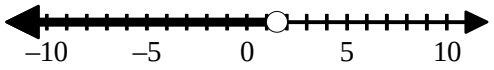
   [A] $x\ge 1.5$

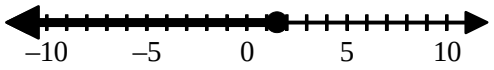
   [B] $x>1.5$

   [C] $x<1.5$

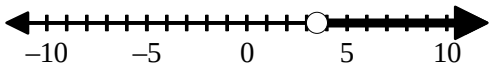
   

   [D] $x\le 1.5$

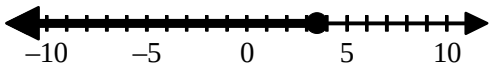
   

2. Solve the inequality $4x-1\ge 2(x+3)$ and check your solution. Graph the solution on a number line.

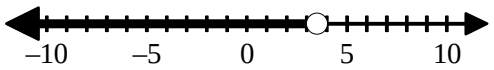
   [A] $x>3.5$

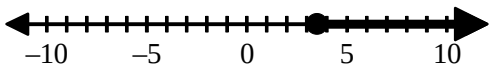
   [B] $x\le 3.5$

   [C] $x<3.5$

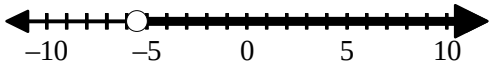
   

   [D] $x\ge 3.5$

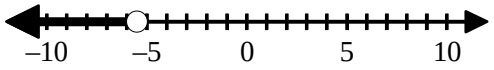
   

3. Solve the inequality $5x+5 \geq 3(x-2)$ and check your solution. Graph the solution on a number line.

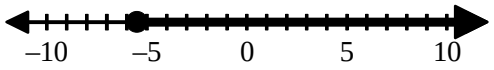
[A] $x > -5.5$



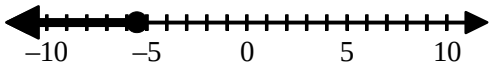
[B] $x < -5.5$



[C] $x \geq -5.5$

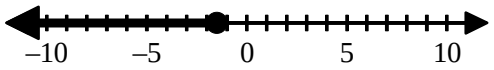


[D] $x \leq -5.5$

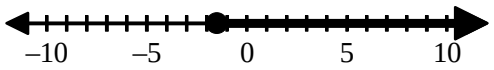


4. Solve the inequality $5x-3 \leq 3(x-2)$ and check your solution. Graph the solution on a number line.

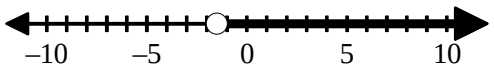
[A] $x \leq -1.5$



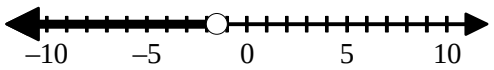
[B] $x \geq -1.5$



[C] $x > -1.5$

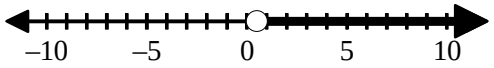


[D] $x < -1.5$

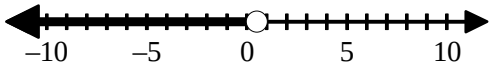


5. Solve the inequality $4x+1\geq 2(x+1)$ and check your solution. Graph the solution on a number line.

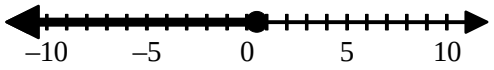
[A] $x>0.5$



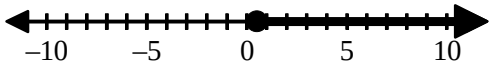
[B] $x<0.5$



[C] $x\leq 0.5$

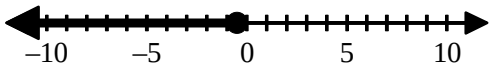


[D] $x\geq 0.5$

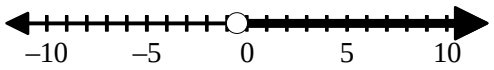


6. Solve the inequality $4x+5\leq 2(x+2)$ and check your solution. Graph the solution on a number line.

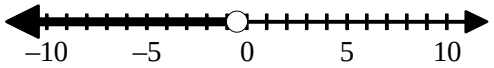
[A] $x\leq -0.5$



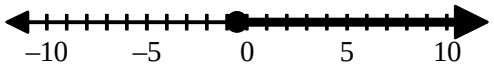
[B] $x>-0.5$



[C] $x<-0.5$

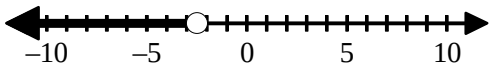


[D] $x\geq -0.5$

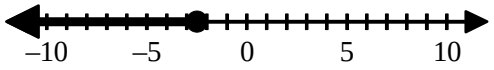


7. Solve the inequality $4x+1\geq 2(x-2)$ and check your solution. Graph the solution on a number line.

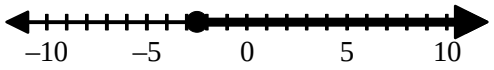
[A] $x<-2.5$



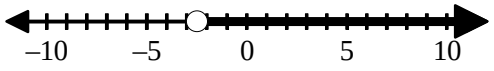
[B] $x\leq -2.5$



[C] $x\geq -2.5$

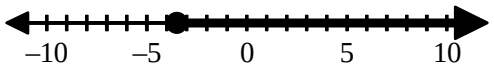


[D] $x>-2.5$

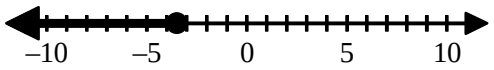


8. Solve the inequality $5x+1\leq 3(x-2)$ and check your solution. Graph the solution on a number line.

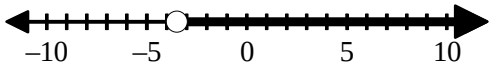
[A] $x\geq -3.5$



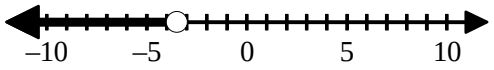
[B] $x\leq -3.5$



[C] $x>-3.5$

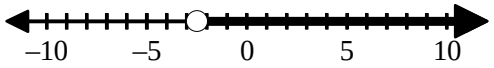


[D] $x<-3.5$

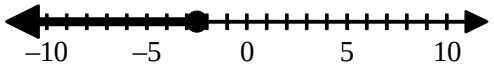


9. Solve the inequality $5x - 4 \le 3(x - 3)$ and check your solution. Graph the solution on a number line.

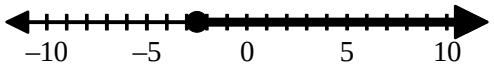
[A] $x > -2.5$



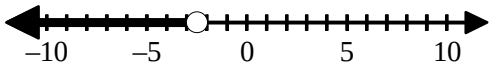
[B] $x \le -2.5$



[C] $x \ge -2.5$

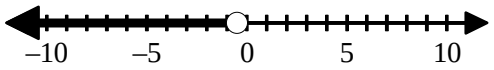


[D] $x < -2.5$

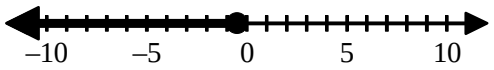


10. Solve the inequality $5x - 5 \ge 3(x - 2)$ and check your solution. Graph the solution on a number line.

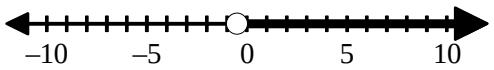
[A] $x < -0.5$



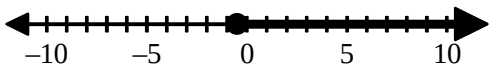
[B] $x \le -0.5$



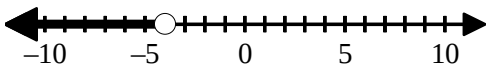
[C] $x > -0.5$



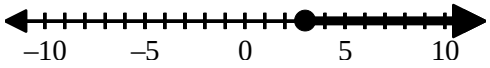
[D] $x \ge -0.5$



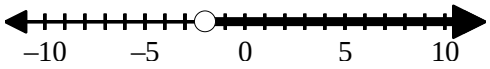
11. What inequality describes the graph?



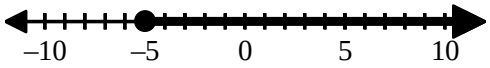
12. What inequality describes the graph?



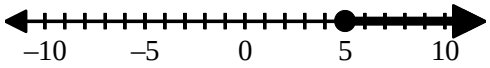
13. What inequality describes the graph?



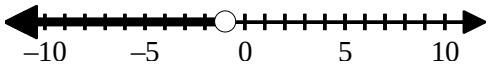
14. What inequality describes the graph?



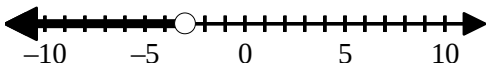
15. What inequality describes the graph?



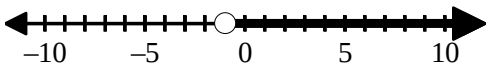
16. What inequality describes the graph?



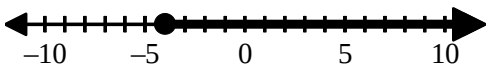
17. What inequality describes the graph?



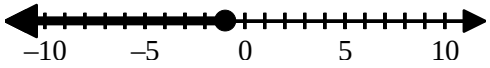
18. What inequality describes the graph?



19. What inequality describes the graph?



20. What inequality describes the graph?



21. Solve the inequality $5x-5\le 3(x-2)$ and check your solution. Graph the solution on a number line.

22. Solve the inequality $4x-1\ge 2(x-1)$ and check your solution. Graph the solution on a number line.

23. Solve the inequality $4x+5\ge 2(x-3)$ and check your solution. Graph the solution on a number line.

24. Solve the inequality $4x-1\le 2(x+3)$ and check your solution. Graph the solution on a number line.

25. Solve the inequality $5x-2\ge 3(x-3)$ and check your solution. Graph the solution on a number line.

26. Solve the inequality $5x-3\le 3(x-2)$ and check your solution. Graph the solution on a number line.

27. Solve the inequality $5x-2\ge 3(x-1)$ and check your solution. Graph the solution on a number line.

28. Solve the inequality $4x-3\le 2(x-3)$ and check your solution. Graph the solution on a number line.

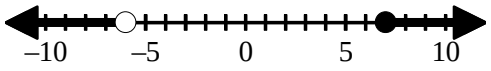
29. Solve the inequality $5x+3\le 3(x+2)$ and check your solution. Graph the solution on a number line.

30. Solve the inequality $5x+2\ge 3(x-1)$ and check your solution. Graph the solution on a number line.

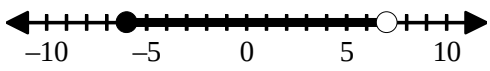
Solve the compound inequality. Then graph the solution on a number line.

31. $x+3\le -3$ or $x>7$

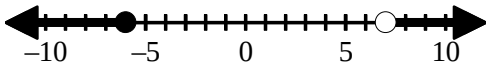
[A] $x<-6$ or $x\ge 7$



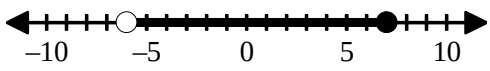
[B] $-6\le x<7$



[C] $x\le -6$ or $x>7$

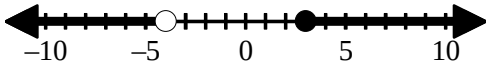


[D] $-6<x\le 7$

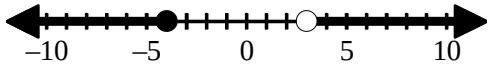


32. $x+2>-2$ and $x\le 3$

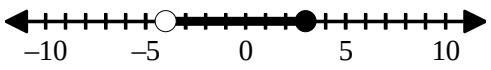
[A] $x<-4$ or $x\ge 3$



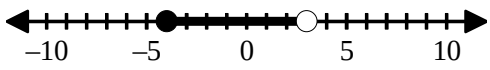
[B] $x\le -4$ or $x>3$



[C] $-4<x\le 3$

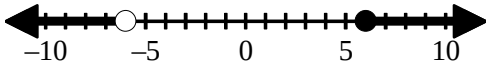


[D] $-4\le x<3$

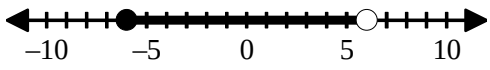


33. $x+4<-2$ or $x\ge 6$

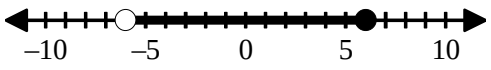
[A] $x<-6$ or $x\ge 6$



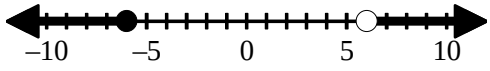
[B] $-6\le x<6$



[C] $-6<x\le 6$

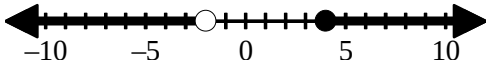


[D] $x\le -6$ or $x>6$

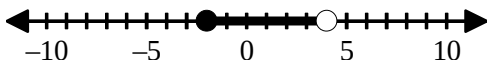


34. $x+1\ge -1$ and $x<4$

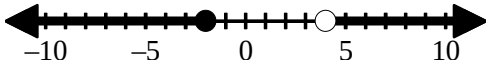
[A] $x<-2$ or $x\ge 4$



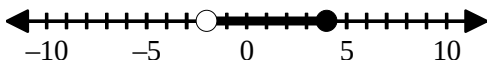
[B] $-2\le x<4$



[C] $x\le -2$ or $x>4$

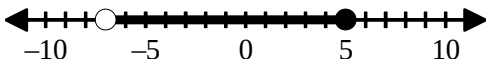


[D] $-2<x\le 4$

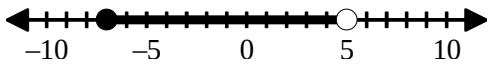


35. $x+3>-4$ and $x\le 5$

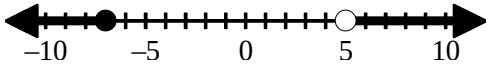
[A] $-7<x\le 5$



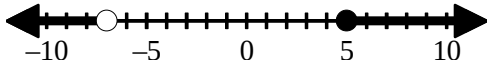
[B] $-7\le x<5$



[C] $x\le -7$ or $x>5$



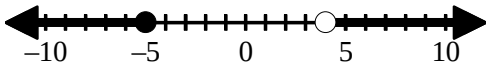
[D] $x<-7$ or $x\ge 5$



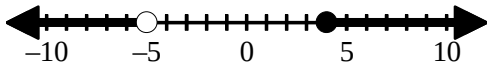
Solve the compound inequality. Then graph the solution on a number line.

36. $x - 4 < -9$ or $x \geq 4$

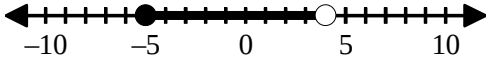
[A] $x \leq -5$ or $x > 4$



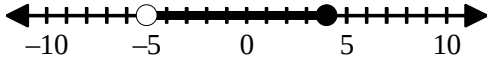
[B] $x < -5$ or $x \geq 4$



[C] $-5 \leq x < 4$

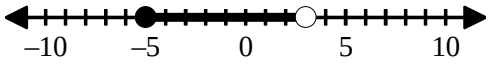


[D] $-5 < x \leq 4$

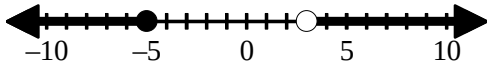


37. $x - 2 \geq -7$ and $x < 3$

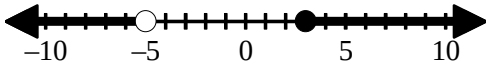
[A] $-5 \leq x < 3$



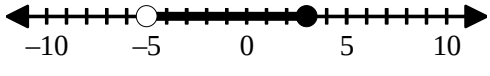
[B] $x \leq -5$ or $x > 3$



[C] $x < -5$ or $x \geq 3$

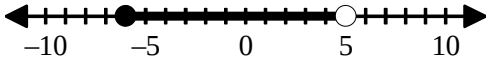


[D] $-5 < x \leq 3$

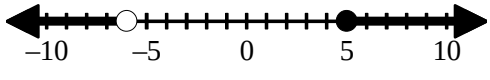


38. $x - 1 \leq -7$ or $x > 5$

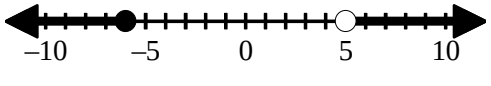
[A] $-6 \leq x < 5$



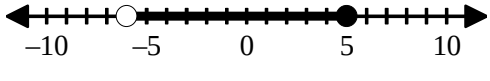
[B] $x < -6$ or $x \geq 5$



[C] $x \leq -6$ or $x > 5$

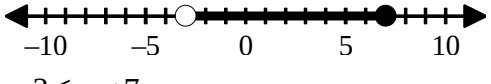


[D] $-6 < x \leq 5$

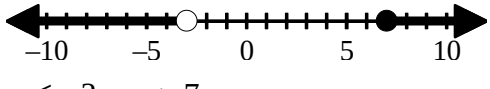


39. $x - 4 \leq -7$ or $x > 7$

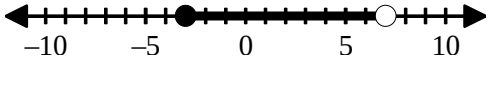
[A] $-3 < x \leq 7$



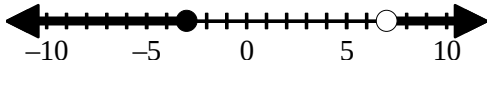
[B] $x < -3$ or $x \geq 7$



[C] $-3 \leq x < 7$

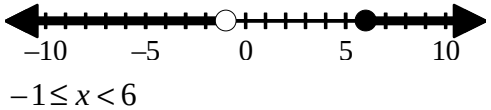


[D] $x \leq -3$ or $x > 7$

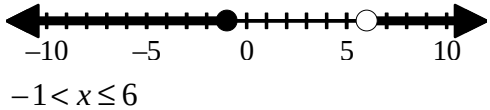


40. $x + 3 \geq 2$ and $x < 6$

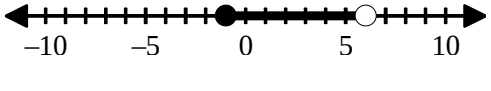
[A] $x < -1$ or $x \geq 6$



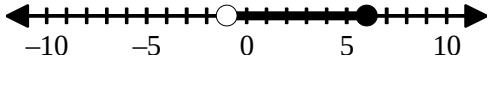
[B] $x \leq -1$ or $x > 6$



[C] $-1 \leq x < 6$



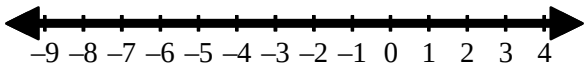
[D] $-1 < x \leq 6$



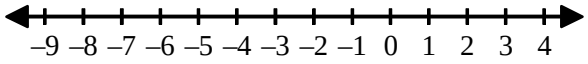
Solve the compound inequality. Then graph the solution on a number line.

41. $3x-2>-20$ and $2x+5<7$

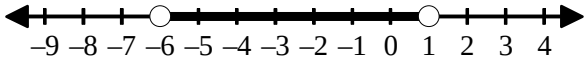
[A] x is any real number.



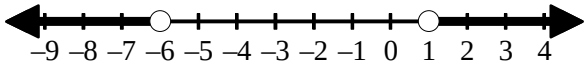
[B] $\varnothing$



[C] $-6<x<1$

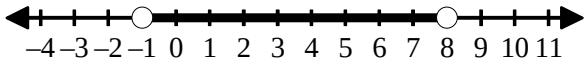


[D] $x<-6$ or $x>1$

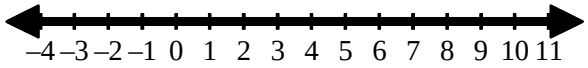


42. $5x+4>-1$ or $4x-3<29$

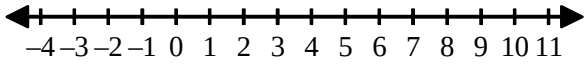
[A] $-1<x<8$



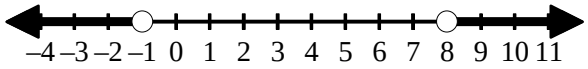
[B] x is any real number.



[C] $\varnothing$



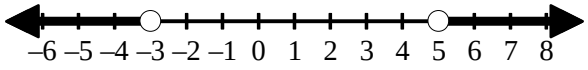
[D] $x<-1$ or $x>8$



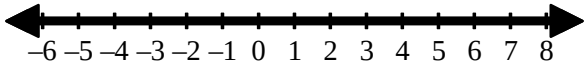
Solve the compound inequality. Then graph the solution on a number line.

43. $4x-1>-13$ or $3x+5<20$

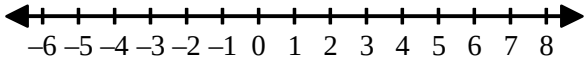
[A] $x<-3$ or $x>5$



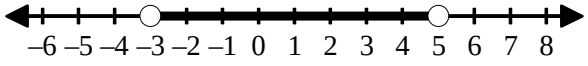
[B] x is any real number.



[C] $\varnothing$

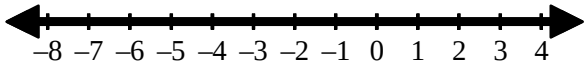


[D] $-3<x<5$

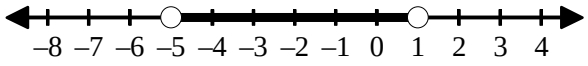


44. $2x+2>-8$ and $5x-1<4$

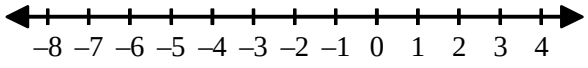
[A] x is any real number.



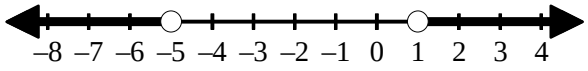
[B] $-5<x<1$



[C] $\varnothing$



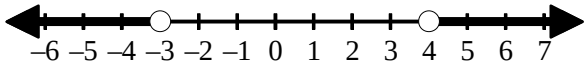
[D] $x<-5$ or $x>1$



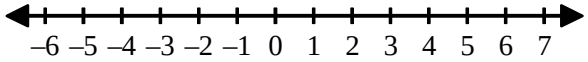
Solve the compound inequality. Then graph the solution on a number line.

45. $3x + 4 > -5$ and $2x - 6 < 2$

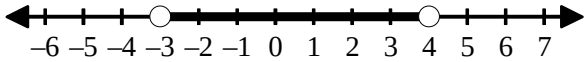
[A] $x < -3$ or $x > 4$



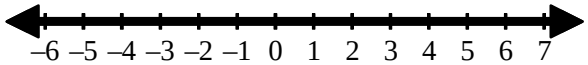
[B] $\varnothing$



[C] $-3 < x < 4$

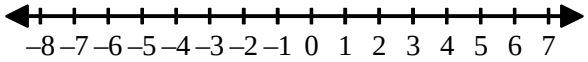


[D] x is any real number.

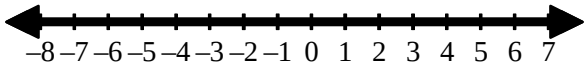


46. $5x - 2 > -27$ or $4x - 1 < 15$

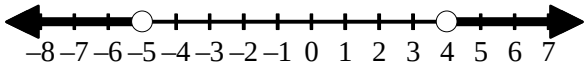
[A] $\varnothing$



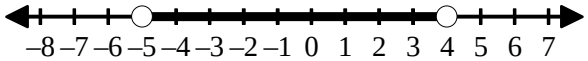
[B] x is any real number.



[C] $x < -5$ or $x > 4$



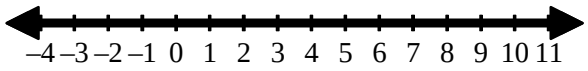
[D] $-5 < x < 4$



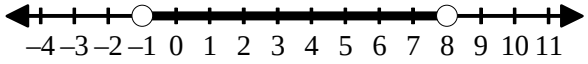
Solve the compound inequality. Then graph the solution on a number line.

47. $5x + 4 > -1$ or $3x - 6 < 18$

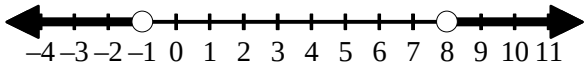
[A] x is any real number.



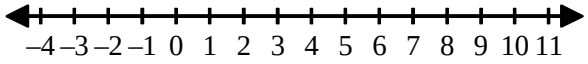
[B] $-1 < x < 8$



[C] $x < -1$ or $x > 8$

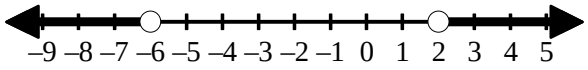


[D] $\varnothing$

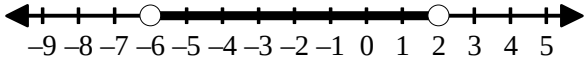


48. $4x + 5 > -19$ and $2x - 4 < 0$

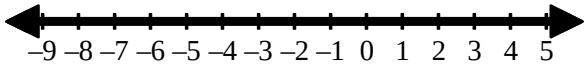
[A] $x < -6$ or $x > 2$



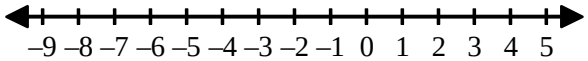
[B] $-6 < x < 2$



[C] x is any real number.



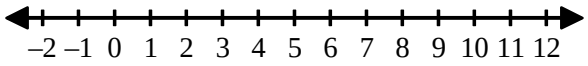
[D] $\varnothing$



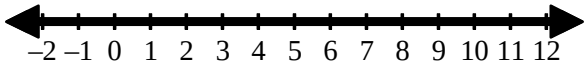
Solve the compound inequality. Then graph the solution on a number line.

49. $4x+3>7$ and $2x-2<16$

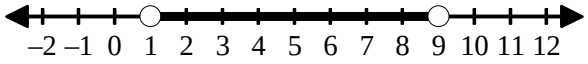
[A] $\varnothing$



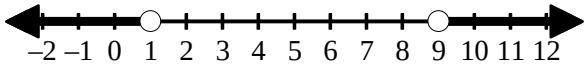
[B] x is any real number.



[C] $1<x<9$

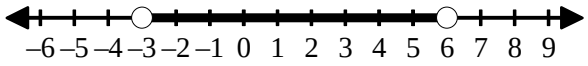


[D] $x<1$ or $x>9$

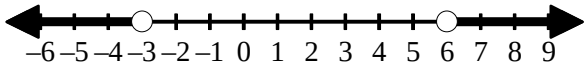


50. $5x+5>-10$ or $3x-4<14$

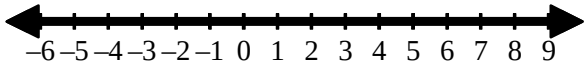
[A] $-3<x<6$



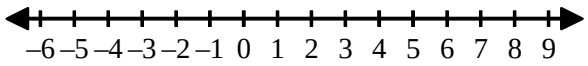
[B] $x<-3$ or $x>6$



[C] x is any real number.



[D] $\varnothing$



51. $4x-6>-18$ or $3x-2<13$

52. $4x-2>-22$ and $5x-3<12$

Solve the compound inequality. Then graph the solution on a number line.

53. $2x-6>2$ and $5x+3<53$

54. $3x-3>-6$ or $4x-4<20$

55. $5x+2>7$ and $3x+5<35$

56. $4x+6>10$ or $2x-2<16$

57. $3x+2>-13$ and $5x-1<9$

58. $5x-5>-25$ or $4x+3<23$

59. $3x+5>2$ or $2x-6<6$

60. $2x+3>-5$ and $3x-6<0$

61. $x-1\geq -7$ and $x<7$

62. $x-2>-4$ and $x\leq 3$

63. $x-3\leq 1$ or $x>6$

64. $x-2<-2$ or $x\geq 5$

65. $x-1\geq -4$ and $x<4$

66. $x+3<-1$ or $x\geq 5$

67. $x+4>-1$ and $x\leq 6$

Solve the compound inequality. Then graph the solution on a number line.

68. $x - 4 \leq -3$ or $x > 3$

69. $x - 2 < -5$ or $x \geq 7$

70. $x - 3 > -9$ and $x \leq 4$