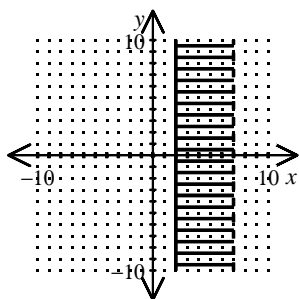


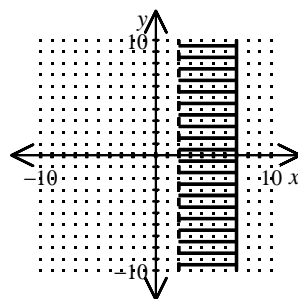
Graph the system of linear inequalities.

1.
$$\begin{cases} y \geq 2 \\ y < 7 \end{cases}$$

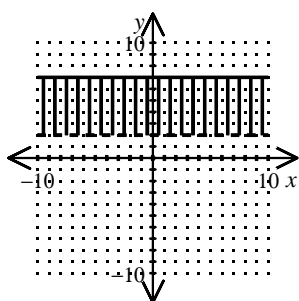
[A]



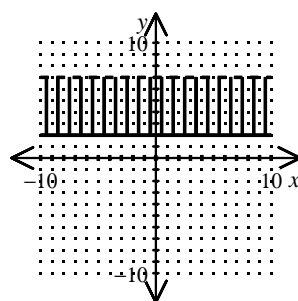
[B]



[C]



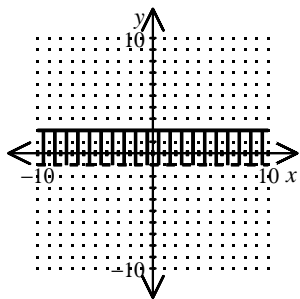
[D]



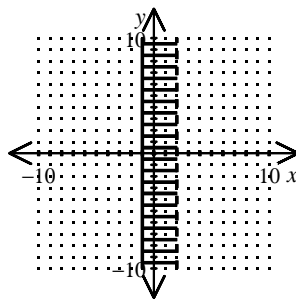
Graph the system of linear inequalities.

$$2. \begin{cases} y > -1 \\ y \leq 2 \end{cases}$$

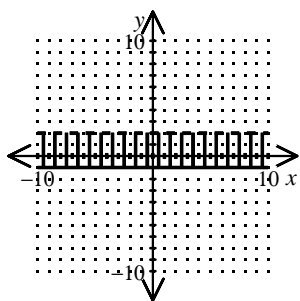
[A]



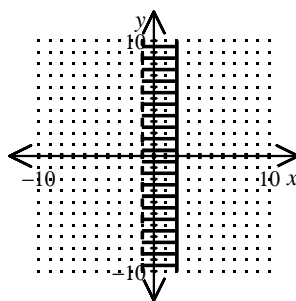
[B]



[C]



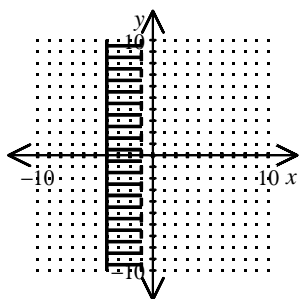
[D]



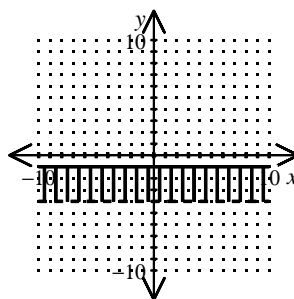
Graph the system of linear inequalities.

3.
$$\begin{cases} x > -4 \\ x \leq -1 \end{cases}$$

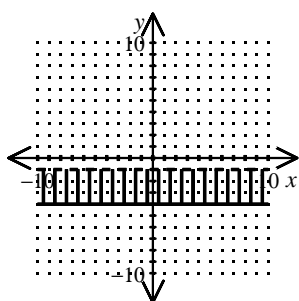
[A]



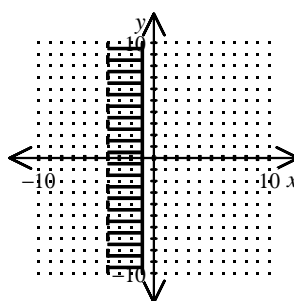
[B]



[C]



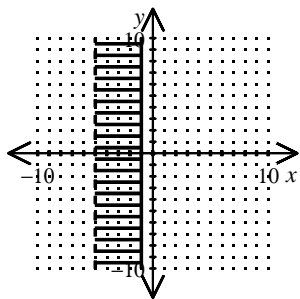
[D]



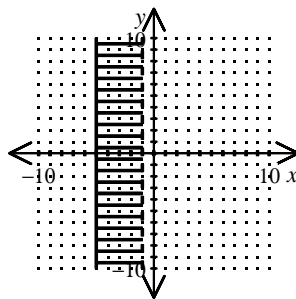
Graph the system of linear inequalities.

4.
$$\begin{cases} x \geq -5 \\ x < -1 \end{cases}$$

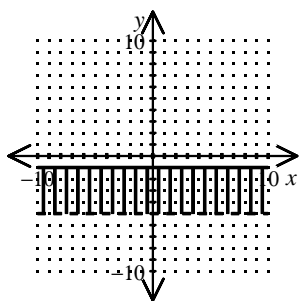
[A]



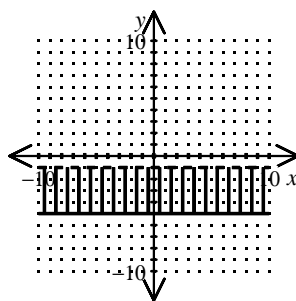
[B]



[C]



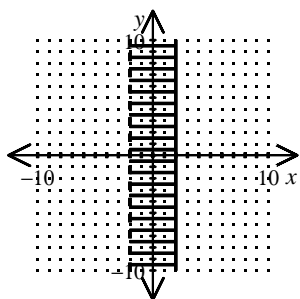
[D]



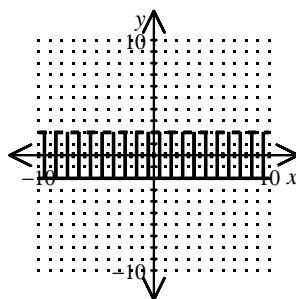
Graph the system of linear inequalities.

5.
$$\begin{cases} y \geq -2 \\ y < 2 \end{cases}$$

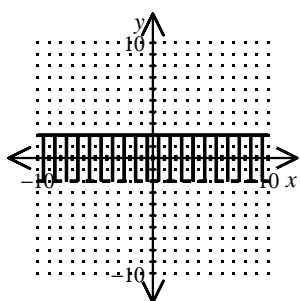
[A]



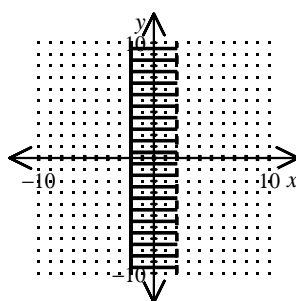
[B]



[C]



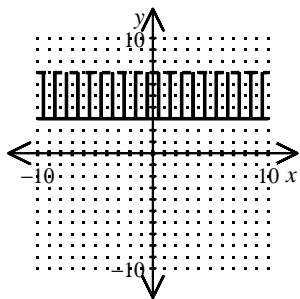
[D]



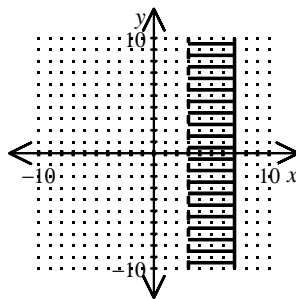
Graph the system of linear inequalities.

6.
$$\begin{cases} x > 3 \\ x \leq 7 \end{cases}$$

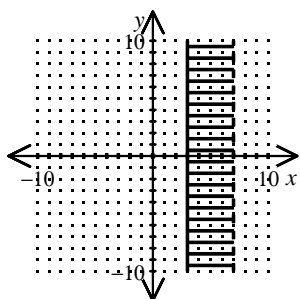
[A]



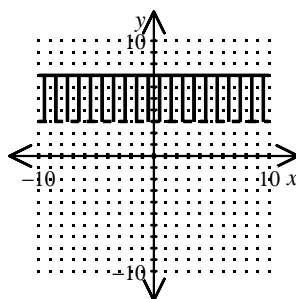
[B]



[C]



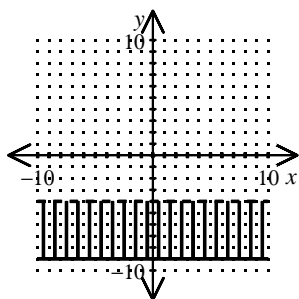
[D]



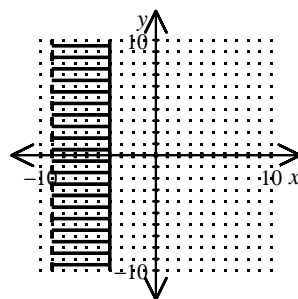
Graph the system of linear inequalities.

$$7. \begin{cases} y > -9 \\ y \leq -4 \end{cases}$$

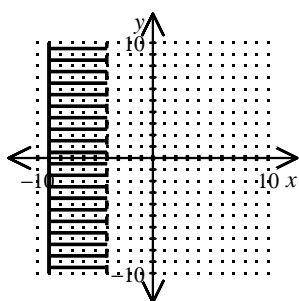
[A]



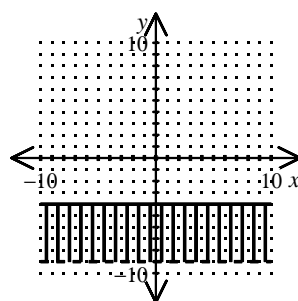
[B]



[C]



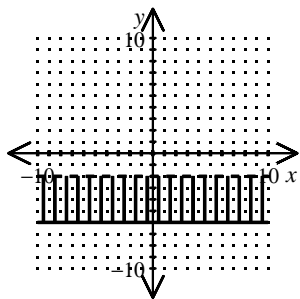
[D]



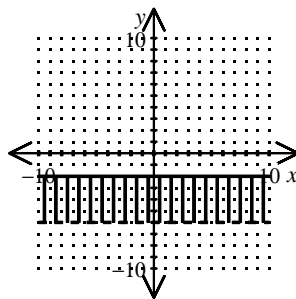
Graph the system of linear inequalities.

8.
$$\begin{cases} x \geq -6 \\ x < -2 \end{cases}$$

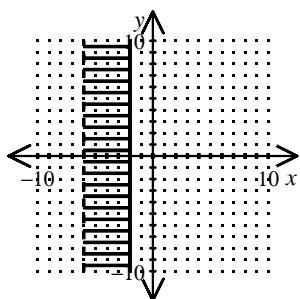
[A]



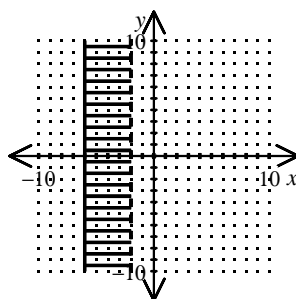
[B]



[C]



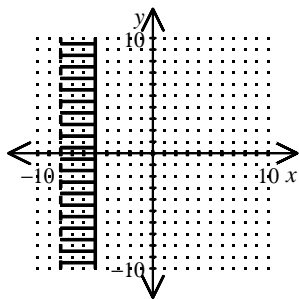
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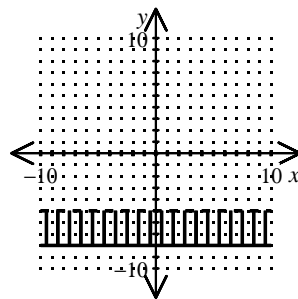
Graph the system of linear inequalities.

9.
$$\begin{cases} x \geq -8 \\ x < -5 \end{cases}$$

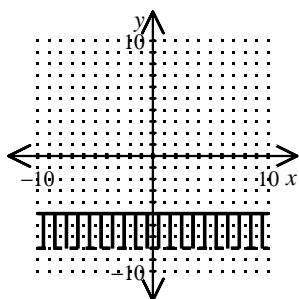
[A]



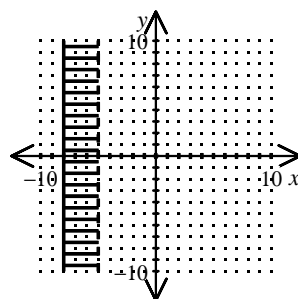
[B]



[C]



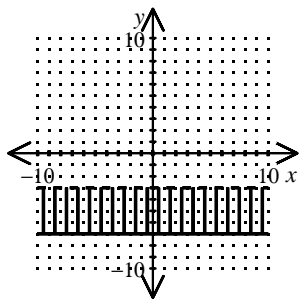
[D]



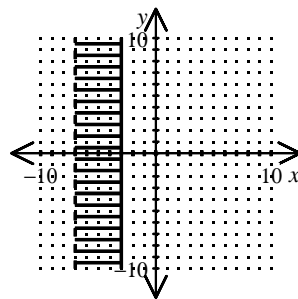
Graph the system of linear inequalities.

10.
$$\begin{cases} y > -7 \\ y \leq -3 \end{cases}$$

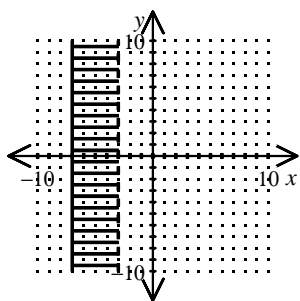
[A]



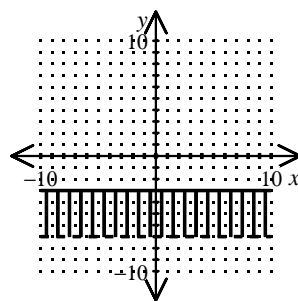
[B]



[C]



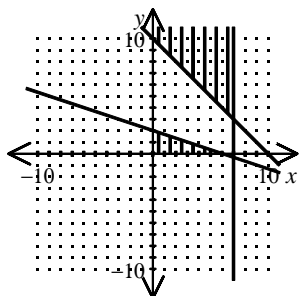
[D]



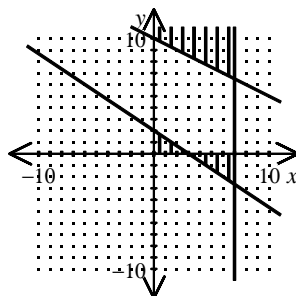
Graph the system of linear inequalities.

$$11. \begin{cases} x \geq 0 \\ y \geq 0 \\ x \leq 7 \\ x + y \leq 10 \\ x + 3y \geq 6 \end{cases}$$

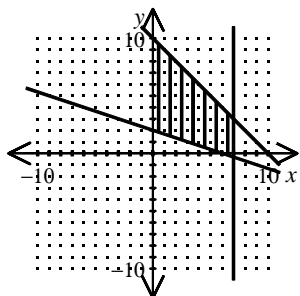
[A]



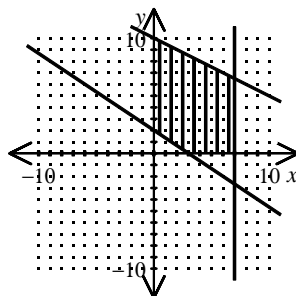
[B]



[C]



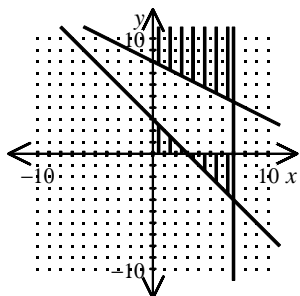
[D]



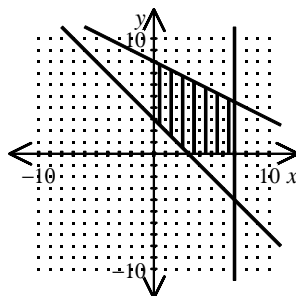
Graph the system of linear inequalities.

$$12. \begin{cases} x \geq 0 \\ y \geq 0 \\ x \leq 7 \\ x + y \leq 8 \\ x + 2y \geq 6 \end{cases}$$

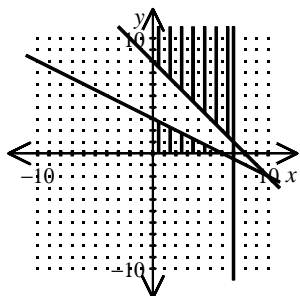
[A]



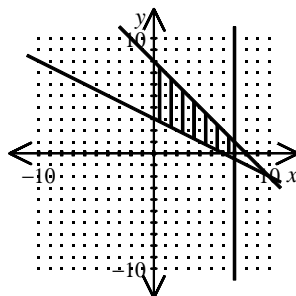
[B]



[C]



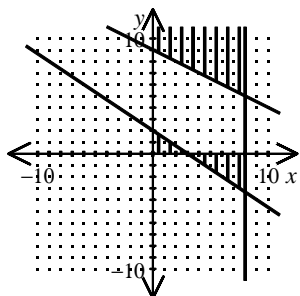
[D]



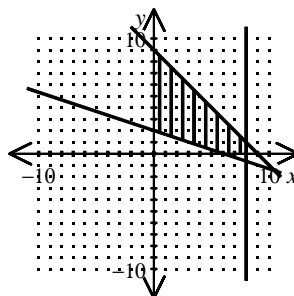
Graph the system of linear inequalities.

$$13. \begin{cases} x \geq 0 \\ y \geq 0 \\ x \leq 8 \\ x + y \leq 9 \\ x + 3y \geq 6 \end{cases}$$

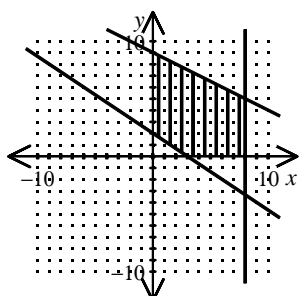
[A]



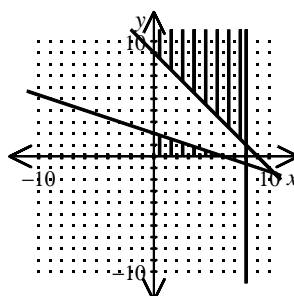
[B]



[C]



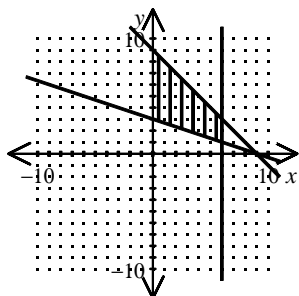
[D]



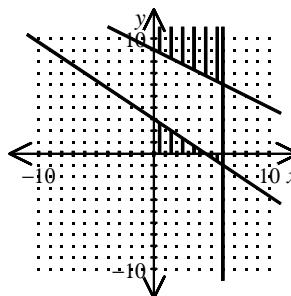
Graph the system of linear inequalities.

$$14. \begin{cases} x \geq 0 \\ y \geq 0 \\ x \leq 6 \\ x + y \leq 9 \\ x + 3y \geq 9 \end{cases}$$

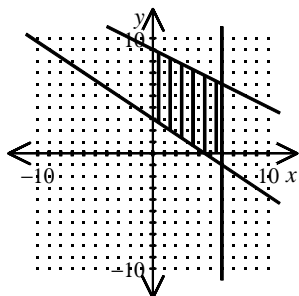
[A]



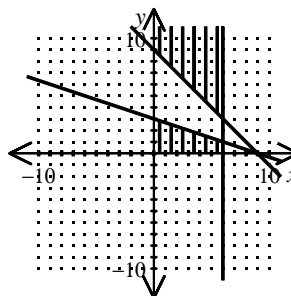
[B]



[C]



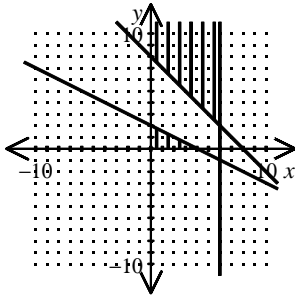
[D]



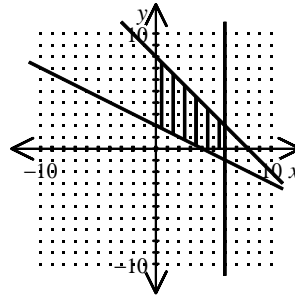
Graph the system of linear inequalities.

$$15. \begin{cases} x \geq 0 \\ y \geq 0 \\ x \leq 6 \\ x + y \leq 8 \\ x + 2y \geq 4 \end{cases}$$

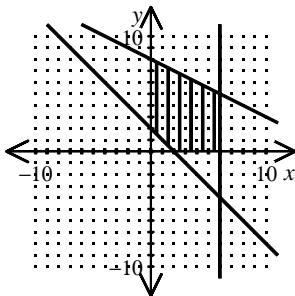
[A]



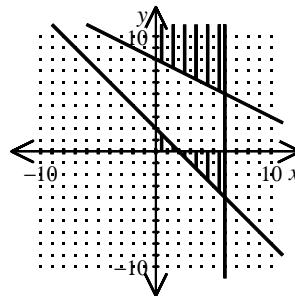
[B]



[C]



[D]



$$16. \begin{cases} y \geq -x - 2 \\ y \leq 2x - 4 \end{cases}$$

$$17. \begin{cases} y \geq 2x - 1 \\ y \leq -x + 3 \end{cases}$$

$$18. \begin{cases} y \geq 2x - 3 \\ y \leq -x - 4 \end{cases}$$

$$19. \begin{cases} y \geq x - 5 \\ y \leq -2x - 6 \end{cases}$$

Graph the system of linear inequalities.

$$20. \begin{cases} y \geq x+1 \\ y \leq -2x-1 \end{cases}$$

$$21. \begin{cases} y \geq -2x-4 \\ y \leq x-7 \end{cases}$$

$$22. \begin{cases} y \geq -x+3 \\ y \leq 2x+2 \end{cases}$$

$$23. \begin{cases} y \geq 2x+2 \\ y \leq -x-1 \end{cases}$$

$$24. \begin{cases} y \geq x+5 \\ y \leq -2x+7 \end{cases}$$

$$25. \begin{cases} y \geq 2x+4 \\ y \leq -x+8 \end{cases}$$

$$26. \begin{cases} x \geq 0 \\ y \geq 0 \\ 7x-5y \leq 7 \\ 6y \leq 6x+6 \end{cases}$$

$$27. \begin{cases} x \geq 0 \\ y \geq 0 \\ 8x-2y \leq 24 \\ 5y \leq 5x+15 \end{cases}$$

Graph the system of linear inequalities.

$$28. \begin{cases} x \geq 0 \\ y \geq 0 \\ 6x - 6y \leq 18 \\ 9y \leq 3x + 27 \end{cases}$$

$$29. \begin{cases} x \geq 0 \\ y \geq 0 \\ 5x - 5y \leq 10 \\ 7y \leq 3x + 14 \end{cases}$$

$$30. \begin{cases} x \geq 0 \\ y \geq 0 \\ 5x - 3y \leq 15 \\ 6y \leq 2x + 18 \end{cases}$$

$$31. \begin{cases} x \geq 0 \\ y \geq 0 \\ 3x - 3y \leq 6 \\ 5y \leq x + 10 \end{cases}$$

$$32. \begin{cases} x \geq 0 \\ y \geq 0 \\ 8x - 7y \leq 16 \\ 9y \leq 6x + 18 \end{cases}$$

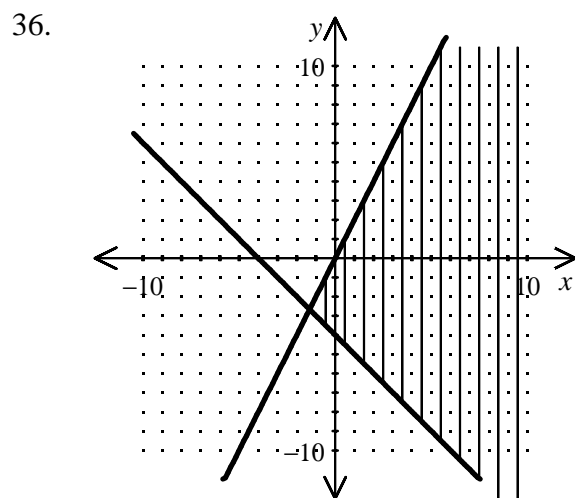
$$33. \begin{cases} x \geq 0 \\ y \geq 0 \\ 4x - 6y \leq 4 \\ 7y \leq 3x + 7 \end{cases}$$

Graph the system of linear inequalities.

$$34. \begin{cases} x \geq 0 \\ y \geq 0 \\ 5x - 5y \leq 15 \\ 8y \leq 2x + 24 \end{cases}$$

$$35. \begin{cases} x \geq 0 \\ y \geq 0 \\ 7x - 4y \leq 7 \\ 5y \leq 6x + 5 \end{cases}$$

Write the system of inequalities whose solution is graphed as the shaded region.



[A] $\begin{cases} y < 2x - 1 \\ y > -x \end{cases}$

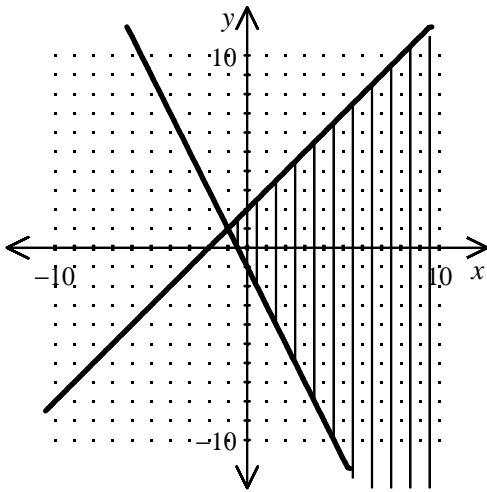
[B] $\begin{cases} y < -4x - 1 \\ y > -x \end{cases}$

[C] $\begin{cases} y \leq 2 \\ y \geq -4x - 1 \end{cases}$

[D] $\begin{cases} y \leq 2x \\ y \geq -x - 4 \end{cases}$

Write the system of inequalities whose solution is graphed as the shaded region.

37.



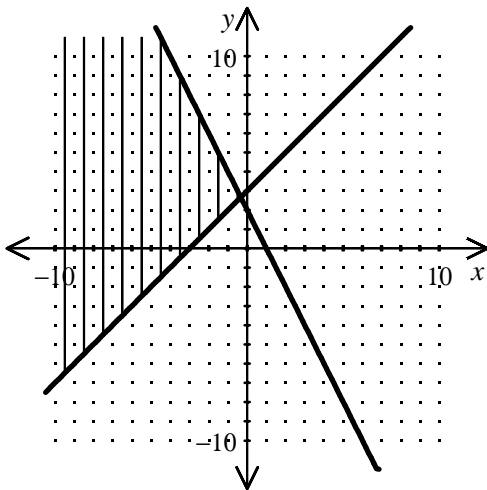
[A] $\begin{cases} y \leq 2x+1 \\ y \geq -x-2 \end{cases}$

[B] $\begin{cases} y < x-2 \\ y > -2x+2 \end{cases}$

[C] $\begin{cases} y \leq x+2 \\ y \geq -2x-1 \end{cases}$

[D] $\begin{cases} y < -x-2 \\ y > -2x+2 \end{cases}$

38.



[A] $\begin{cases} y < 3x+1 \\ y > x+2 \end{cases}$

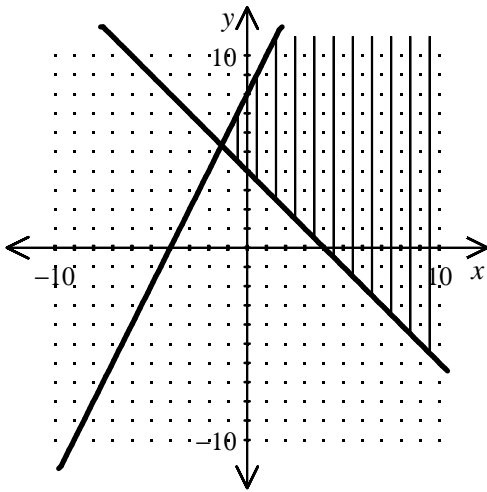
[B] $\begin{cases} y \leq -2x+2 \\ y \geq x+3 \end{cases}$

[C] $\begin{cases} y < -2x+1 \\ y > x+2 \end{cases}$

[D] $\begin{cases} y \leq 2x-2 \\ y \geq 3x+1 \end{cases}$

Write the system of inequalities whose solution is graphed as the shaded region.

39.



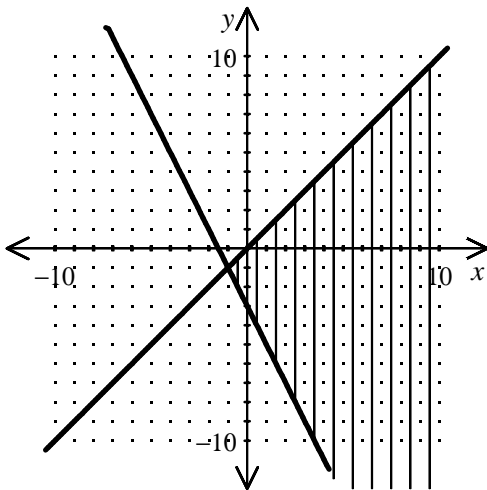
[A] $\begin{cases} y < 2x - 1 \\ y > -x + 8 \end{cases}$

[B] $\begin{cases} y < 4x - 1 \\ y > -x + 8 \end{cases}$

[C] $\begin{cases} y \leq 8x + 2 \\ y \geq 4x - 1 \end{cases}$

[D] $\begin{cases} y \leq 2x + 8 \\ y \geq -x + 4 \end{cases}$

40.



[A] $\begin{cases} y < x - 2 \\ y > -2x \end{cases}$

[B] $\begin{cases} y \leq x \\ y \geq -2x - 3 \end{cases}$

[C] $\begin{cases} y < -3x - 2 \\ y > -2x \end{cases}$

[D] $\begin{cases} y \leq 1 \\ y \geq -3x - 2 \end{cases}$