Find the inverse of the function.

1. $f(x) = \{(-7, -8), (-8, -7), (1, 5)\}$

   [A] $f^{-1}(x) = \{(-7, -8), (-8, -7), (1, 5)\}$

   [B] $f^{-1}(x) = \{(-8, -7), (-7, -8), (5, 1)\}$

   [C] $f^{-1}(x) = \{(-8, -7), (-7, 1), (5, 1)\}$ [D] none of these

2. $f(x) = \{(8, -2), (-2, 8), (-9, 6)\}$

   [A] $f^{-1}(x) = \{(8, -2), (-2, 8), (-9, 6)\}$

   [B] $f^{-1}(x) = \{(-2, 8), (8, -2), (6, -9)\}$

   [C] $f^{-1}(x) = \{(-2, 8), (8, 6), (6, 6)\}$ [D] none of these

3. $f(x) = \{(4, -4), (-4, 4), (9, -5)\}$

   [A] $f^{-1}(x) = \{(-4, 4), (4, -5), (-5, -5)\}$ [B] $f^{-1}(x) = \{(-4, 4), (4, 9), (-5, 9)\}$

   [C] $f^{-1}(x) = \{(4, -4), (-4, 4), (9, -5)\}$ [D] none of these

4. $f(x) = \{(-1, -6), (-6, -1), (7, 3)\}$

   [A] $f^{-1}(x) = \{(-6, -1), (-1, -6), (3, 7)\}$

   [B] $f^{-1}(x) = \{(-6, -1), (-1, 7), (3, 7)\}$

   [C] $f^{-1}(x) = \{(-6, -1), (-1, 3), (3, 3)\}$ [D] none of these

5. $f(x) = \{(1, -1), (-1, 1), (-2, -7)\}$

   [A] $f^{-1}(x) = \{(-1, 1), (1, -1), (-7, -2)\}$

   [B] $f^{-1}(x) = \{(1, -1), (-1, 1), (-2, -7)\}$

   [C] $f^{-1}(x) = \{(-1, 1), (1, -7), (-7, -7)\}$ [D] none of these

Find the inverse of the function.

6. $f(x) = \{(-8, 0), (0, -8), (4, 6)\}$

[A] $f^{-1}(x) = \{(-8, 0), (0, -8), (4, 6)\}$ [B] $f^{-1}(x) = \{(0, -8), (-8, 4), (6, 4)\}$

[C] $f^{-1}(x) = \{(0, -8), (-8, 0), (6, 4)\}$ [D] none of these

7. $f(x) = \{(8, 3), (3, 8), (-5, 2)\}$

[A] $f^{-1}(x) = \{(3, 8), (8, 3), (2, -5)\}$ [B] $f^{-1}(x) = \{(3, 8), (8, 2), (2, 2)\}$

[C] $f^{-1}(x) = \{(3, 8), (8, -5), (2, -5)\}$ [D] none of these

8. $f(x) = \{(-4, 9), (9, -4), (-9, 5)\}$

[A] $f^{-1}(x) = \{(9, -4), (-4, -9), (5, -9)\}$

[B] $f^{-1}(x) = \{(9, -4), (-4, 9), (5, -9)\}$

[C] $f^{-1}(x) = \{(9, -4), (-4, 5), (5, 5)\}$ [D] none of these

9. $f(x) = \{(7, -6), (-6, 7), (8, 1)\}$

[A] $f^{-1}(x) = \{(-6, 7), (7, -6), (1, 8)\}$ [B] $f^{-1}(x) = \{(-6, 7), (7, 8), (1, 8)\}$

[C] $f^{-1}(x) = \{(7, -6), (-6, 7), (8, 1)\}$ [D] none of these

10. $f(x) = \{(-6, -4), (-4, -6), (7, 0)\}$

[A] $f^{-1}(x) = \{(-6, -4), (-4, -6), (7, 0)\}$

[B] $f^{-1}(x) = \{(-4, -6), (-6, 7), (0, 7)\}$

[C] $f^{-1}(x) = \{(-4, -6), (-6, 0), (0, 0)\}$ [D] none of these

Find the inverse of the function.

11. $f(x) = 4x + 1$

[A] $f^{-1}(x) = 2x - \frac{1}{2}$

[B] $f^{-1}(x) = \frac{1}{2}x + \frac{1}{4}$

[C] $f^{-1}(x) = \frac{1}{4}x - \frac{1}{4}$

[D] $f^{-1}(x) = \frac{1}{2}x + \frac{1}{2}$

12. $f(x) = 3x - \frac{2}{3}$

[A] $f^{-1}(x) = x + \frac{2}{3}$

[B] $f^{-1}(x) = \frac{1}{3}x + \frac{2}{9}$

[C] $f^{-1}(x) = x - \frac{2}{3}$

[D] $f^{-1}(x) = \frac{1}{3}x - \frac{2}{9}$

13. $f(x) = 2x + 3$

[A] $f^{-1}(x) = 2x - \frac{3}{2}$

[B] $f^{-1}(x) = x + \frac{3}{2}$

[C] $f^{-1}(x) = \frac{1}{2}x + \frac{3}{2}$

[D] $f^{-1}(x) = \frac{1}{2}x - \frac{3}{2}$

14. $f(x) = x - \frac{1}{4}$

[A] $f^{-1}(x) = 4x - 1$

[B] $f^{-1}(x) = \frac{1}{4}x - \frac{1}{4}$

[C] $f^{-1}(x) = x + \frac{1}{4}$

[D] $f^{-1}(x) = \frac{1}{4}x + 1$

15. $f(x) = 3x + 2$

[A] $f^{-1}(x) = \frac{1}{2}x + \frac{2}{3}$

[B] $f^{-1}(x) = \frac{3}{2}x - \frac{4}{3}$

[C] $f^{-1}(x) = \frac{2}{3}x + \frac{4}{3}$

[D] $f^{-1}(x) = \frac{1}{3}x - \frac{2}{3}$

Find the inverse of the function.

16. $f(x) = 4x - \frac{4}{3}$

[A] $f^{-1}(x) = \frac{1}{3}x - \frac{1}{3}$

[B] $f^{-1}(x) = \frac{3}{4}x - 1$

[C] $f^{-1}(x) = \frac{4}{3}x + 1$

[D] $f^{-1}(x) = \frac{1}{4}x + \frac{1}{3}$

17. $f(x) = 4x - \frac{1}{4}$

[A] $f^{-1}(x) = \frac{1}{4}x + \frac{1}{16}$

[B] $f^{-1}(x) = \frac{1}{4}x - \frac{1}{16}$

[C] $f^{-1}(x) = x + \frac{1}{4}$

[D] $f^{-1}(x) = x - \frac{1}{4}$

18. $f(x) = 3x + 1$

[A] $f^{-1}(x) = \frac{1}{3}x - \frac{1}{3}$

[B] $f^{-1}(x) = \frac{3}{4}x - \frac{4}{3}$

[C] $f^{-1}(x) = \frac{1}{4}x + \frac{1}{3}$

[D] $f^{-1}(x) = \frac{4}{3}x + \frac{4}{3}$

19. $f(x) = 4x - 1$

[A] $f^{-1}(x) = x + 1$

[B] $f^{-1}(x) = x - 1$

[C] $f^{-1}(x) = \frac{1}{4}x + \frac{1}{4}$

[D] $f^{-1}(x) = \frac{1}{4}x - \frac{1}{4}$

20. $f(x) = x + \frac{4}{3}$

[A] $f^{-1}(x) = 3x + 4$

[B] $f^{-1}(x) = \frac{1}{3}x + \frac{4}{3}$

[C] $f^{-1}(x) = \frac{1}{3}x - 4$

[D] $f^{-1}(x) = x - \frac{4}{3}$

Find the inverse of the function.

21. $f(x) = 4x - \frac{2}{3}$

[A] $f^{-1}(x) = \frac{1}{4}x + \frac{1}{6}$

[B] $f^{-1}(x) = \frac{4}{3}x + \frac{1}{2}$

[C] $f^{-1}(x) = \frac{3}{4}x - \frac{1}{2}$

[D] $f^{-1}(x) = \frac{1}{3}x - \frac{1}{6}$

22. $f(x) = 2x + 1$

[A] $f^{-1}(x) = x + 1$

[B] $f^{-1}(x) = \frac{1}{2}x - \frac{1}{2}$

[C] $f^{-1}(x) = \frac{1}{2}x + \frac{1}{2}$

[D] $f^{-1}(x) = x - 1$

23. $f(x) = 3x - \frac{1}{2}$

[A] $f^{-1}(x) = \frac{3}{4}x + \frac{2}{3}$

[B] $f^{-1}(x) = \frac{1}{4}x - \frac{1}{6}$

[C] $f^{-1}(x) = \frac{1}{3}x + \frac{1}{6}$

[D] $f^{-1}(x) = \frac{4}{3}x - \frac{2}{3}$

24. $f(x) = 4x + \frac{3}{4}$

[A] $f^{-1}(x) = x + \frac{3}{4}$

[B] $f^{-1}(x) = \frac{1}{4}x - \frac{3}{16}$

[C] $f^{-1}(x) = \frac{1}{4}x + \frac{3}{16}$

[D] $f^{-1}(x) = x - \frac{3}{4}$

25. $f(x) = 3x - \frac{1}{2}$

[A] $f^{-1}(x) = \frac{2}{3}x - \frac{1}{3}$

[B] $f^{-1}(x) = \frac{1}{3}x + \frac{1}{6}$

[C] $f^{-1}(x) = \frac{1}{2}x - \frac{1}{6}$

[D] $f^{-1}(x) = \frac{3}{2}x + \frac{1}{3}$

Find the inverse of the function.

26. $f(x) = 2x + \frac{1}{2}$

[A] $f^{-1}(x) = \frac{1}{4}x + \frac{1}{4}$ [B] $f^{-1}(x) = \frac{1}{2}x - \frac{1}{4}$

[C] $f^{-1}(x) = 2x + 1$ [D] $f^{-1}(x) = \frac{1}{2}x - 1$

27. $f(x) = x - 1$

[A] $f^{-1}(x) = x + 1$ [B] $f^{-1}(x) = \frac{1}{2}x + 2$

[C] $f^{-1}(x) = \frac{1}{2}x - 1$ [D] $f^{-1}(x) = 2x - 2$

28. $f(x) = 2x + \frac{4}{3}$

[A] $f^{-1}(x) = \frac{1}{3}x + \frac{2}{3}$ [B] $f^{-1}(x) = \frac{1}{2}x - \frac{2}{3}$

[C] $f^{-1}(x) = \frac{3}{2}x + 2$ [D] $f^{-1}(x) = \frac{2}{3}x - 2$

29. $f(x) = 2x - \frac{3}{4}$

[A] $f^{-1}(x) = \frac{1}{2}x + \frac{3}{8}$ [B] $f^{-1}(x) = \frac{1}{4}x - \frac{3}{8}$

[C] $f^{-1}(x) = \frac{1}{2}x + \frac{3}{2}$ [D] $f^{-1}(x) = 2x - \frac{3}{2}$

30. $f(x) = 3x + \frac{3}{2}$

[A] $f^{-1}(x) = \frac{2}{3}x + 1$ [B] $f^{-1}(x) = \frac{3}{2}x - 1$

[C] $f^{-1}(x) = \frac{1}{3}x - \frac{1}{2}$ [D] $f^{-1}(x) = \frac{1}{2}x + \frac{1}{2}$

Find the inverse of the function.

31. $f(x) = \{(-7, -6), (-6, -7), (0, -5)\}$

32. $f(x) = \{(7, 6), (6, 7), (2, -3)\}$

33. $f(x) = \{(8, -1), (-1, 8), (-4, -9)\}$

34. $f(x) = \{(-2, 9), (9, -2), (1, 3)\}$

35. $f(x) = \{(4, 5), (5, 4), (-8, -4)\}$

36. $f(x) = \{(-2, -1), (-1, -2), (-5, 5)\}$

37. $f(x) = \{(2, -9), (-9, 2), (9, 0)\}$

38. $f(x) = \{(-8, 7), (7, -8), (1, -7)\}$

39. $f(x) = \{(-6, 8), (8, -6), (4, 6)\}$

40. $f(x) = \{(3, -3), (-3, 3), (-8, 6)\}$

41. $f(x) = \dfrac{x-11}{4}$

42. $f(x) = \dfrac{x-3}{8}$

Find the inverse of the function.

43. $f(x) = \frac{x+10}{5}$

44. $f(x) = \frac{x-7}{3}$

45. $f(x) = \frac{x+9}{2}$

46. $f(x) = \frac{x+2}{7}$

47. $f(x) = \frac{x+5}{4}$

48. $f(x) = \frac{x-4}{6}$

49. $f(x) = \frac{x+12}{8}$

50. $f(x) = \frac{x+1}{5}$