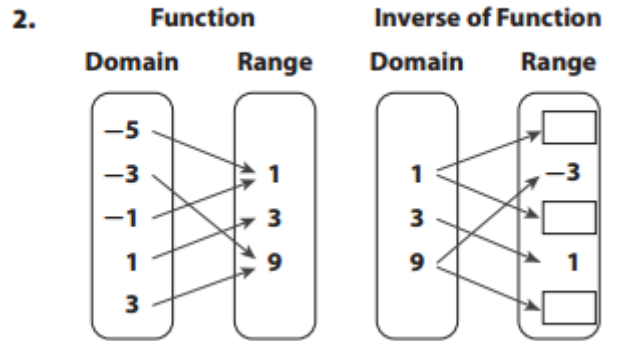
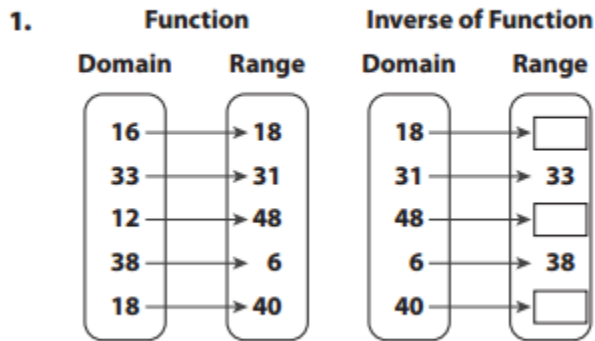
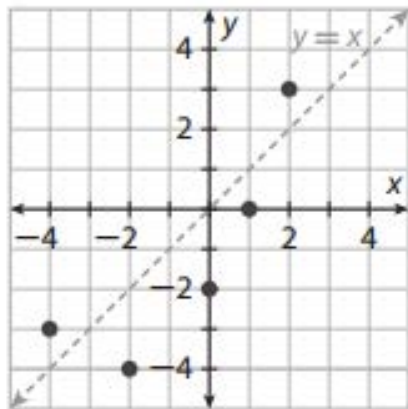


The mapping diagrams show a function and its inverse. Complete the diagram for the inverse of the function. Then tell whether the inverse is a function, and explain your reasoning.

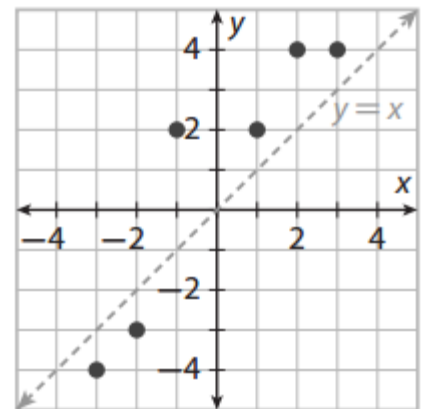


Write the inverse of the given function as a set of ordered pairs and then graph the inverse on the coordinate plane.

3. Function: $\{(-4, -3), (-2, -4), (0, -2), (1, 0), (2, 3)\}$



4. Function: $\{(-3, -4), (-2, -3), (-1, 2), (1, 2), (2, 4), (3, 4)\}$



Find the inverse function $f^{-1}(x)$ for the given function $f(x)$.

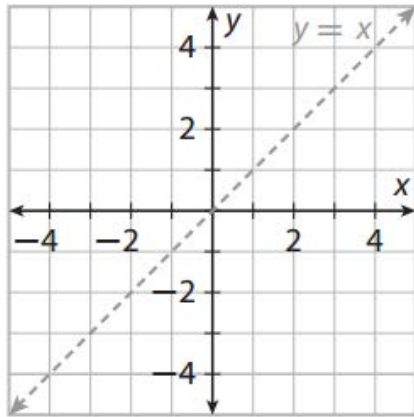
5. $f(x) = 4x - 8$

6. $f(x) = \frac{x}{3}$

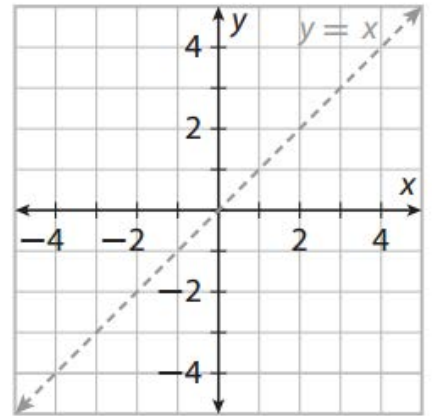
$$7. f(x) = \frac{x+1}{6}$$

$$8. f(x) = -.75x \text{ (Hint: } -.75 \text{ is the same as what fraction)}$$

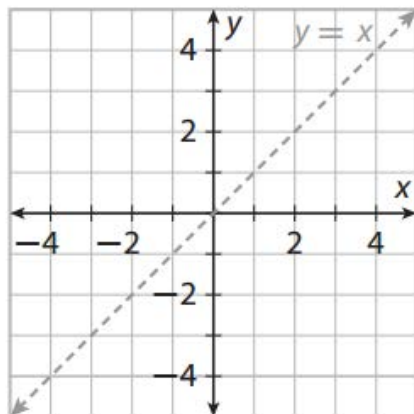
$$9. f(x) = -3x + 3$$



$$10. f(x) = \frac{2}{5}x - 2$$



$$11. f(x) = 2x + 1$$



$$12. f(x) = \frac{1}{4}x + 3$$

