

Directions: Find the inverse relation for each of the relations below.

1. Original Function

x	1	2	5	9
y	2	0	π	-3

Inverse Function

x				
y				

2. Original Function

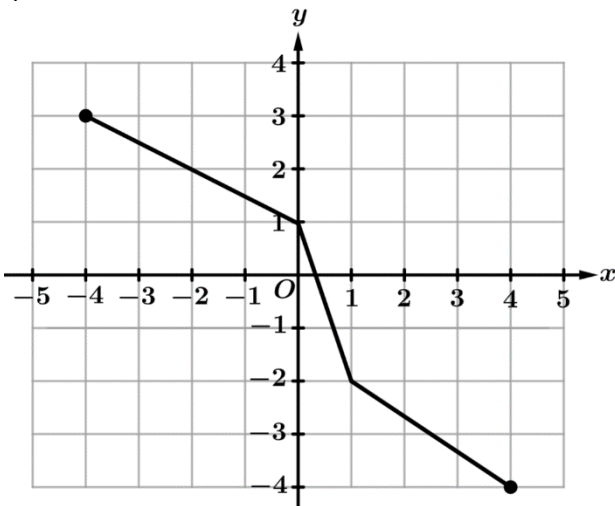
x	-3	0	e	7
y	12	8	5	0

Inverse Function

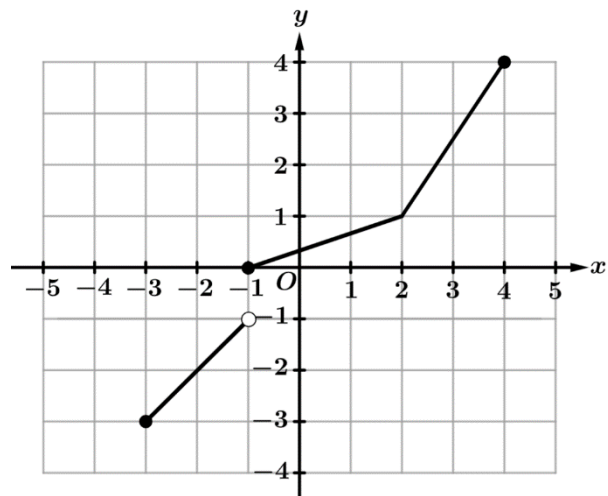
x				
y				

Directions: For the given functions below, sketch the inverse function on the same axes as the original function.

3.



4.



Directions: Find the inverses of the following functions.

5. $f(x) = 3x + 5$

6. $y = -2x + 7$

7. $k(x) = \frac{2}{3}x - 1$

Directions: Find the inverse of the following functions. Be sure to show all work and use proper notation.

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

9. $h(x) = \frac{4x - 1}{2x + 3}$

10. $y = \frac{x + 4}{x - 5}$

11. $g(x) = \frac{2x + 1}{3x + 7}$