

4.5 Inverse Functions

Period _____

Find the inverse of each function.

1) $\{(1,5),(2,7),(3,4)(4,6),(5,9)\}$

2) $\{(0,1),(1,1),(1,2)(1,3),(1,5)\}$

3) $h(x) = \frac{2}{x+2} + 1$

4) $f(x) = \frac{1}{2}x - \frac{5}{2}$

5) $g(x) = 2x - 10$

6) $g(x) = 3 + (x - 2)^3$

7) $g(x) = \frac{1}{x} - 1$

8) $f(x) = \frac{1}{x+1} - 1$

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

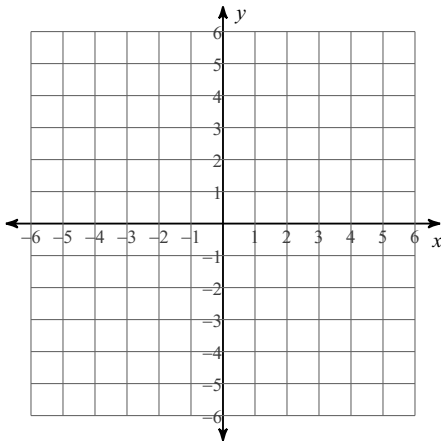
10) $f(x) = \frac{2x+8}{3}$

11) $f(x) = \frac{4}{x+1}$

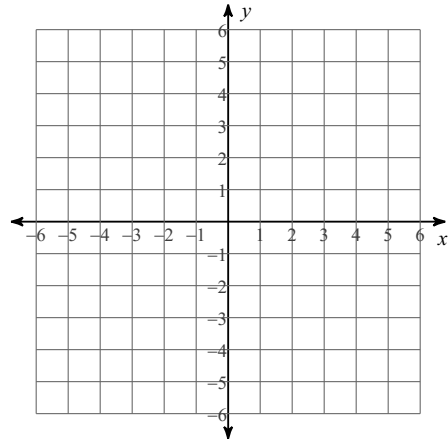
12) $f(x) = x^2 + 3$

Find the inverse of each function. Then graph the function and its inverse.

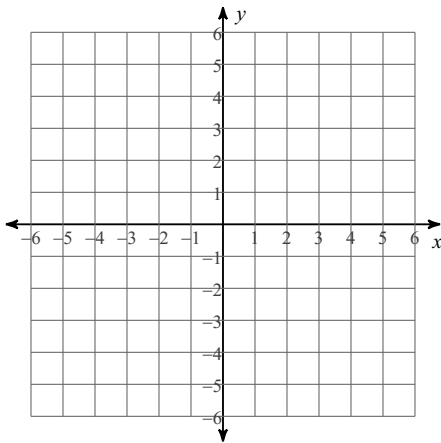
13) $g(x) = x - 1$



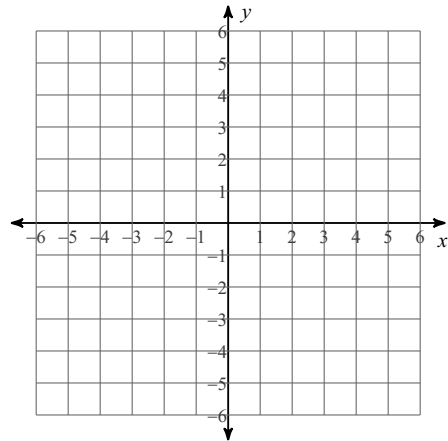
14) $g(x) = -3x$



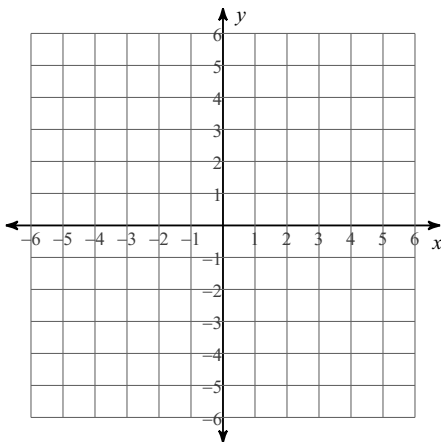
15) $g(x) = x + 5$



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



17) $g(x) = 2x - 2$



18) $g(x) = 2x + 5$

