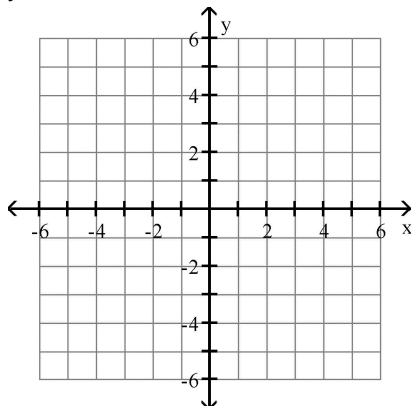


Chapter 7 Section 1 Worksheet

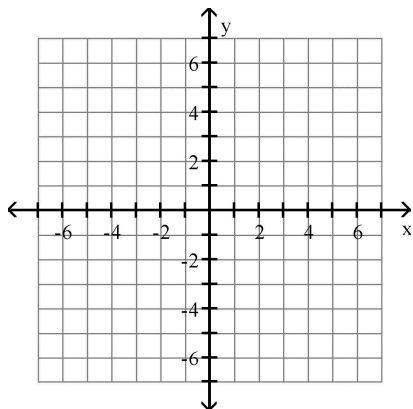
Graph the equation. Let $x = -3, -2, -1, 0, 1, 2,$ and 3 .

1) $y = 3x + 1$

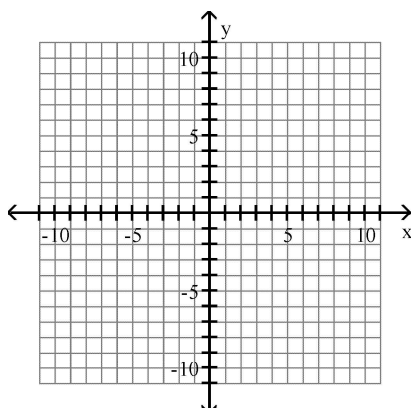


Graph the equation.

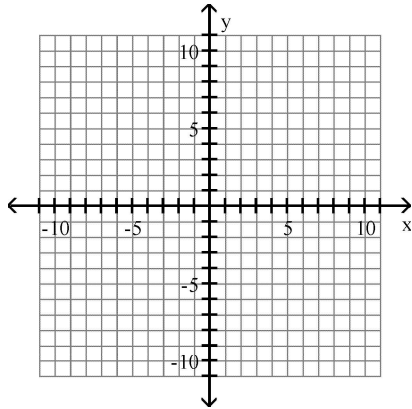
2) $y = \frac{1}{4}x + 1$



3) $y = x^2 - 1$



4) $y = x^3 + 2$



Find f of each given value of x .

5) $f(x) = x - 6$ a. $f(4)$ b. $f(-8)$

6) $f(x) = 7x - 8$ a. $f(-3)$ b. $f(-6)$

7) $f(x) = x^2 + 4$ a. $f(-3)$ b. $f(-8)$

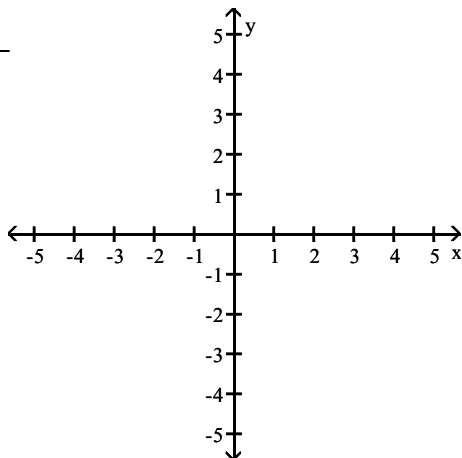
8) $f(x) = 7x^2 + 8$ a. $f(7)$ b. $f(4)$

9) $f(x) = 5x^2 + 9x + 3$ a. $f(-1)$ b. $f(-6)$

Evaluate $f(x)$ for the given values for x . Then use the ordered pairs $(x, f(x))$ from your table to graph the function.

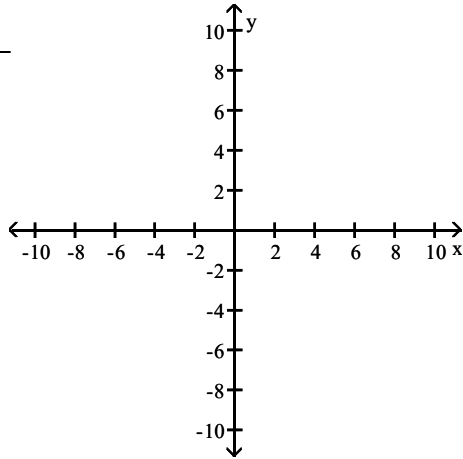
10) $f(x) = x - 2$

x	$f(x)$
-2	
-1	
0	
1	
2	



11) $f(x) = (x - 1)^2$

x	f(x)
0	
1	
2	
3	
4	



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

x	f(x)
-2	
-1	
0	
1	
2	

