

3.11 Evaluating Functions WS

Date _____ Period _____

Evaluate each function for the given value.

1) $f(x) = 2x - 1$; Find $f(2)$

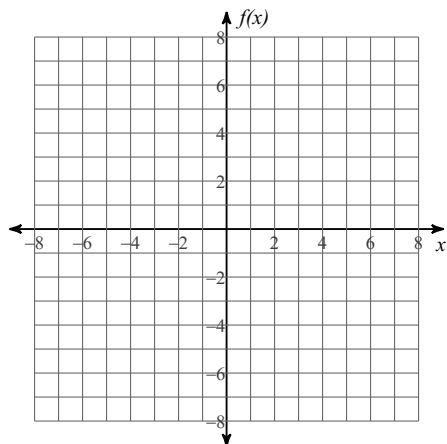
2) $f(x) = 3x - 6$; Find $f(2)$

3) $f(x) = -x^2 + 10x - 20$; Find $f(8)$

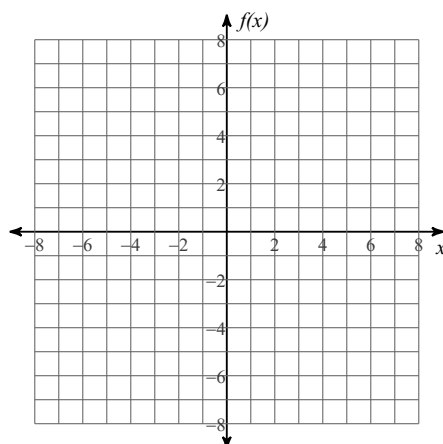
4) $f(x) = -x^2 + 3$; Find $f(2)$

Graph each function for the given domain.

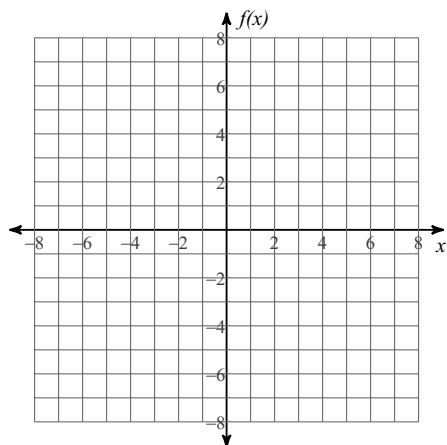
5) $f(x) = -2x + 6$

Domain: $\{-1, 1, 4, 5, 7\}$ 

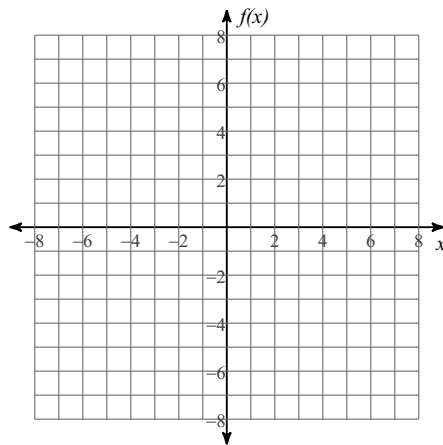
6) $f(x) = |x + 2| - 1$

Domain: $\{-7, -2, 0, 5, 7\}$ 

7) $f(x) = 3|x|$

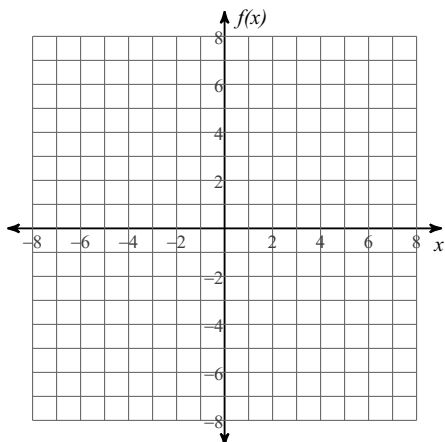
Domain: $\{-2, -1, 0, 1, 2\}$ 

8) $f(x) = x^2 - 6x + 2$

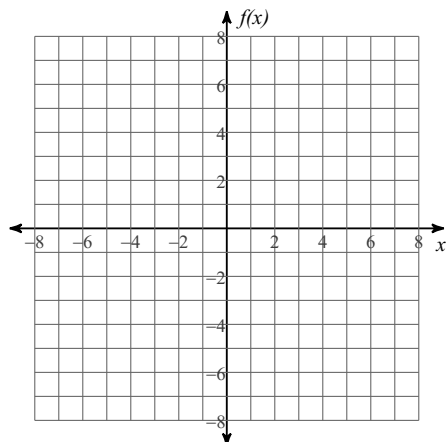
Domain: $\{0, 1, 2, 3, 5\}$ 

Graph each function.

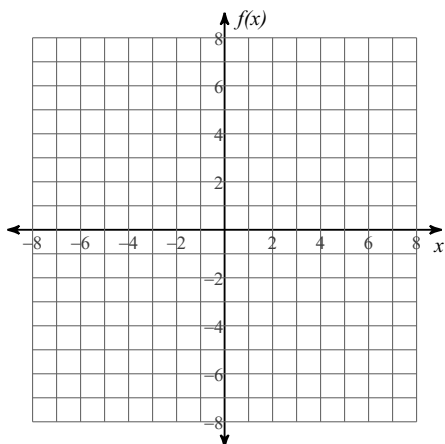
9) $f(x) = -x - 1$



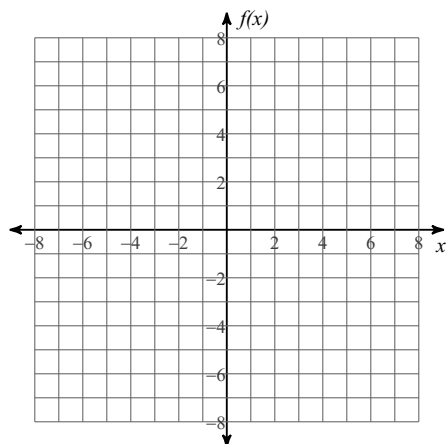
10) $f(x) = -x + 4$



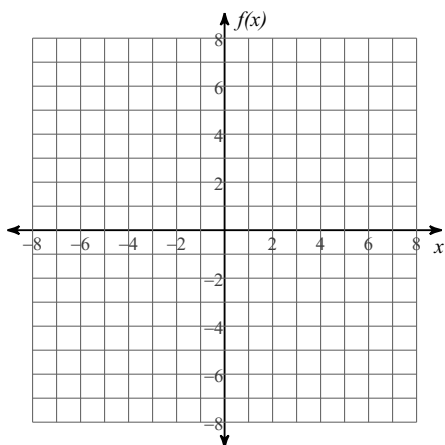
11) $f(x) = 3x - 3$



12) $f(x) = -3x - 6$



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



14) $f(x) = -2x + 4$

