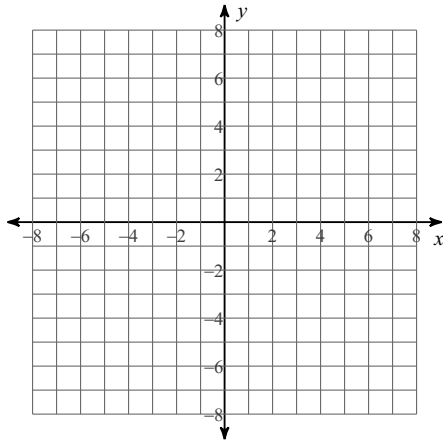


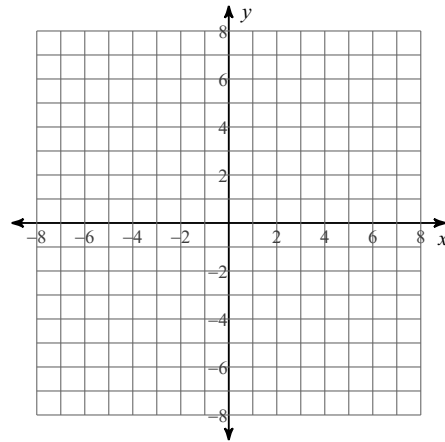
Section 7.6 WS

Graph each equation.

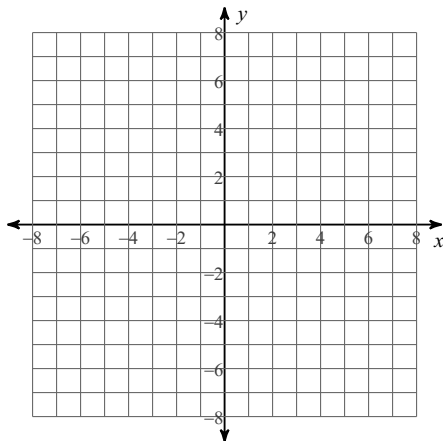
1) $f(x) = -2(x + 4)^2 - 5$



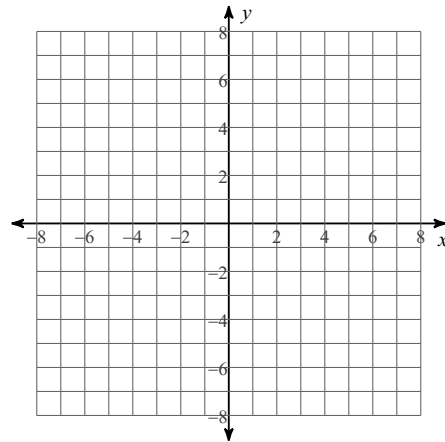
2) $f(x) = -x^2 - 2$



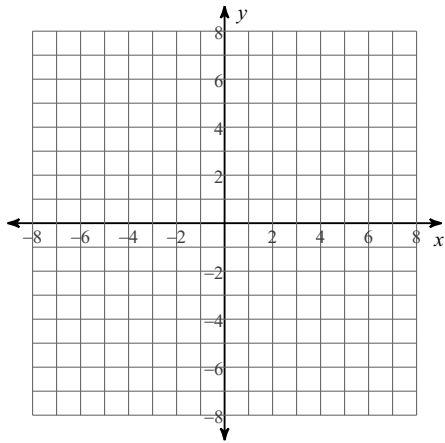
3) $f(x) = -(x + 3)^2 - 2$



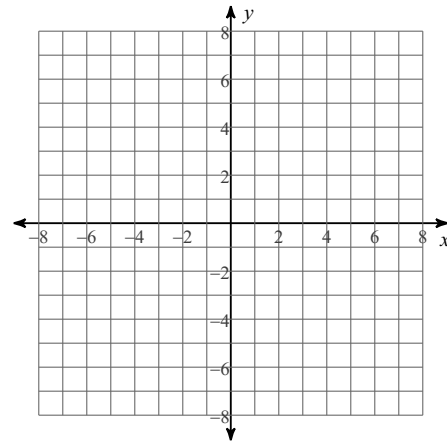
4) $f(x) = x^2 - 4x$



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



6) $f(x) = 2x^2 + 24x + 67$



Identify the vertex, min/max value, Domain, and Range of each.

7) $f(x) = x^2 - 18x + 78$

8) $f(x) = 4x^2 + 72x + 314$

9) $f(x) = -2x^2 + 20x - 42$

10) $f(x) = 3x^2 + 48x + 190$

11) $f(x) = -2x^2 - 8x + 1$

12) $f(x) = -4x^2 - 72x - 317$

13) $f(x) = -x^2 + 14x - 54$

14) $f(x) = 3x^2 + 10$