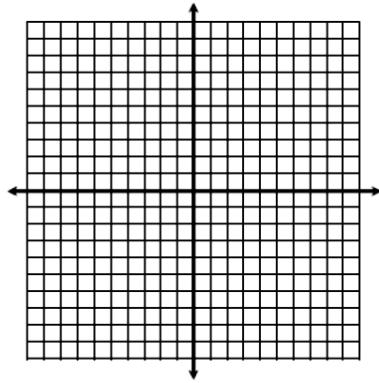


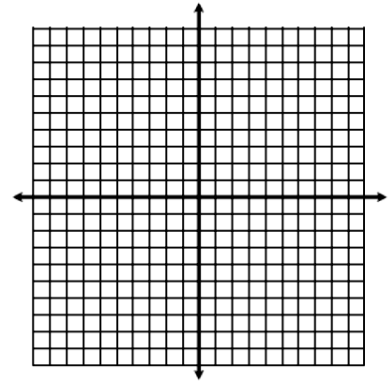
**Directions:** Find the solutions of each quadratic equation by graphing.

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



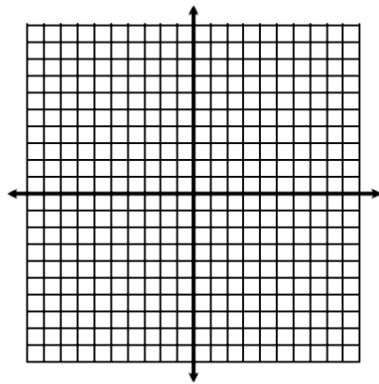
Solutions:

2.  $f(x) = -x^2 + 15x - 56$



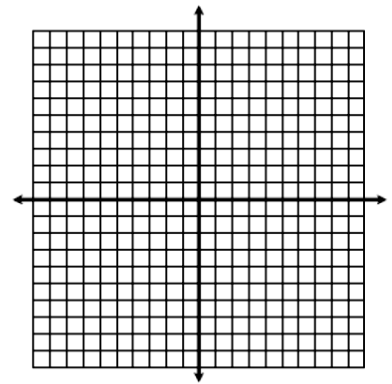
Solutions:

3.  $f(x) = x^2 - 8x + 16$



Solutions:

4.  $f(x) = -3x^2 + 9x$



Solutions:

7.  $4x^2 - x = 6$

8.  $4x^2 + 3x = 6 - 2x$

9.  $x^2 + 4 = 6x$

10.  $5 - x = \frac{1}{2}x^2$

**Solve each equation using the Square Root Property**

11)  $x^2 - 100 = 0$

12)  $25x^2 = 4$

13) $5x^2 - 11 = 234$	14) $\frac{1}{3}x^2 + 14 = 26$
15) $2x^2 - 3 = -3$	16) $9x^2 - 1 = 63$
17) $x^2 - 1 = 39$	18) $5x^2 = 90$
19) $4x^2 - 3 = 22$	20) $3x^2 + 4 = 166$
21) $-3x^2 + 297 = 0$	22) $8x^2 - 3 = 597$

23)  $10 - 2x^2 = -99$

24)  $\frac{1}{4}x^2 - 7 = 25$

25)  $2x^2 - 3 = 49$

26)  $3x^2 - 4 = 140$