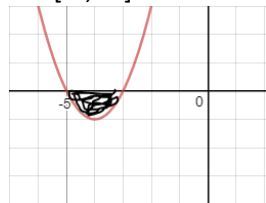


Unit 2

Assignment 2.7 (Review Key)

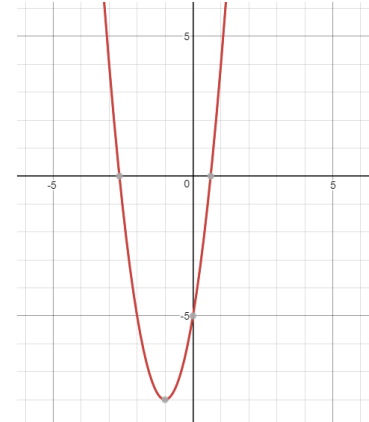
1.  $f(x) = x^2 - 2x - 35$
2.  $f(x) = -2x^2 - 4x - 7$
3.  $f(x) = -x^2 + 12x - 32$
4.  $f(x) = -3x^2 + 12x - 9$
5.  $x = -2, 4$
6.  $-2 \pm \sqrt{3}$
7.  $\pm\sqrt{11}$
8.  $\frac{5 \pm i\sqrt{47}}{4}$
9. 1
10.  $i$
11.  $-i$
12. -1
13.  $3i\sqrt{2}$
14.  $3 + i$
15.  $2 + 14i$
16.  $13 + 8i$
17.  $26 - 38i$
18.  $13xi - 2$

- 
22. 16 Feet
  23.  $(-1.5, -7)$  or  $(-3/2, -7)$
  24. a. Reflect over x, left 6, up 12
  - b. V.S. by 2, right 3, down 1
  - c. Reflect over y, left 2
  - d. H.C. by 3
  25.  $[-5, -3]$  or  $-5 \leq x \leq -3$

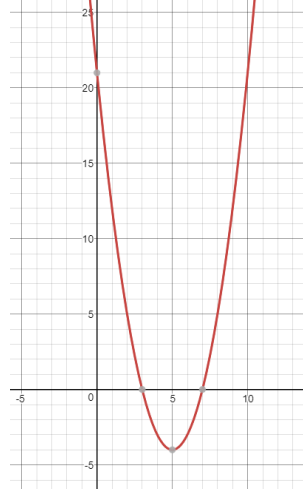


26.  $f(x) = 2(x - 3)^2 + 2$
27.  $p(x) = f(x + 6) + 3$

19. Vertex  $(-1, -8)$  Points:  $(0, -5)$   $(-2, -5)$



20. Vertex  $(5, -4)$  Points:  $(0, 21)$   $(10, 21)$



21. Vertex  $(-2, -48)$  Points  $(2, 0)$   $(-6, 0)$

