Writing Quadratic Equations Day 2: Given the Zeros (roots, solutions, x intercepts) or a Graph

1-8. Write a quadratic equation *in standard form* with the given solutions.

    1. $x = 4, 1$ **2.** $x = -5, -2$ **3.** $x = 7, 0$

    4. $x = \dfrac{1}{2}, 8$ **5.** $x = \dfrac{3}{5}, 0$ **6.** $x = \dfrac{2}{3}, -2$

    7. $x = -3, 1$ **8.** $x = -\dfrac{1}{3}, 2$

9. Write a quadratic equation *in vertex form* given:
Vertex: (3, 1) and a point (5, – 1)

10. Write a quadratic equation *in vertex form* given:
Vertex: (– 1, 5) and x-intercept of 3

11-18. Write a quadratic equation *in vertex form* that represents each graph below.

11.

12.

13.

14.

15.

16.

17.

18.