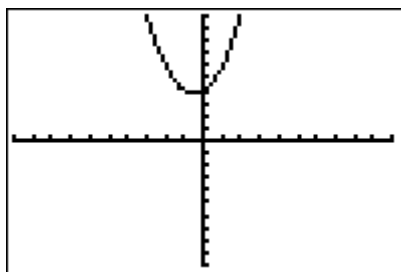


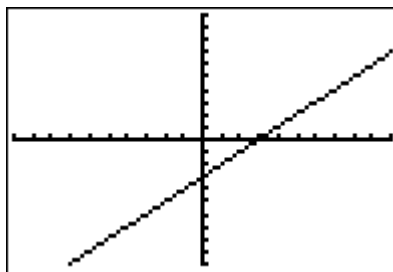
Homework: Graphs and Graphing Utilities - Key

In Problems 1-8, graph the equation

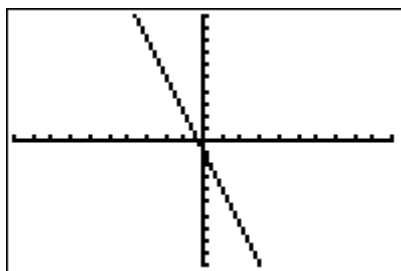
1. $y = x^2 + x + 4$



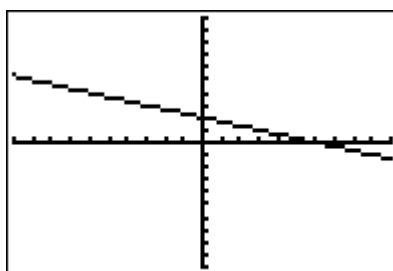
2. $y = x - 3$



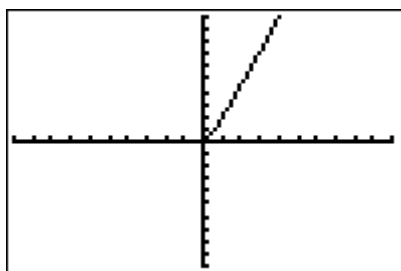
3. $y = -3x - 1$



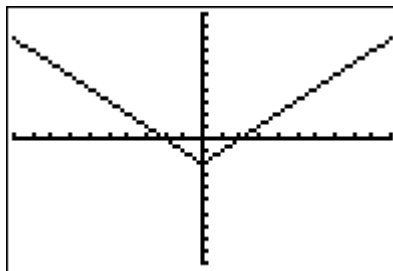
4. $y = \frac{-1}{3}x + 2$



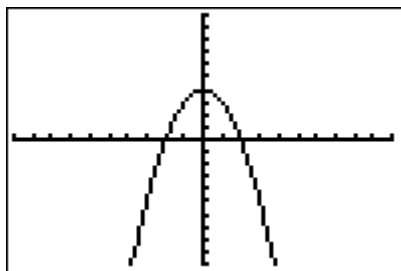
5. $y = 3|x| - \sqrt{x}$



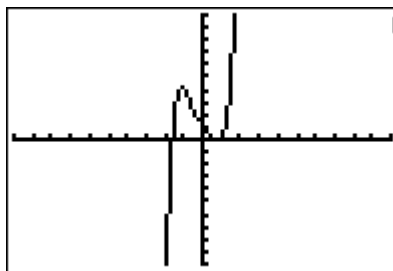
6. $y = |x| - 2$



7. $y = 4 - x^2$



8. $y = x^5 - x^3 + x^2 - 2x + 1$



Homework: Graphs and Graphing Utilities - Key

In Problems 9-11, use the graph to a) determine x-intercepts, b) determine y-intercepts

9.

x-intercepts: $(2, 0)$ or 2

y-intercepts: $(0, 4)$ or 4

10.

x-intercepts: $(1, 0)$, $(2, 0)$ or 1,2

y-intercepts: $(0, -4)$ or -4

11.

x-intercepts: $(3, 0)$ or 3

y-intercepts: none