Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per\_\_\_\_\_\_

**Int 3 Homework (Section 2.1.2)**

Juan kicked a ball a horizontal distance of 30 feet and it reached a height of 20 feet at its highest point.

* 1. Sketch a graph of the parabola that shows the path the ball.
  2. Write an equation that models the parabola above.
  3. How far (horizontally) is the ball from its starting point when it is 6 feet high?