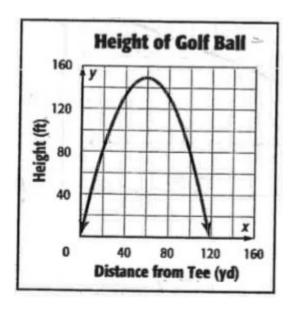# Exit Ticket Day 1



**Height of Golf Ball**

Check out the projectile motion for the golf ball. Assume it was hit at a 60 degree angle.

1. List three different ways you could make the golf ball go farther if you could hit it again.

2. Answer the following questions about the graph.

    a. Identify the x-intercept(s) on the graph. Estimate the coordinates. Describe what information the x-intercept(s) give you about the scenario.
    b. Identify the y-intercept(s) on the graph. Estimate the coordinates. Describe what information the y-intercept(s) give you about the scenario.
    c. Identify the vertex on the graph and write its coordinates. Describe what information the vertex gives you about the scenario.

BONUS: There are arrows on the ends of the trajectory. If you were graphing the trajectory, would you use arrow, too? Why or why not?