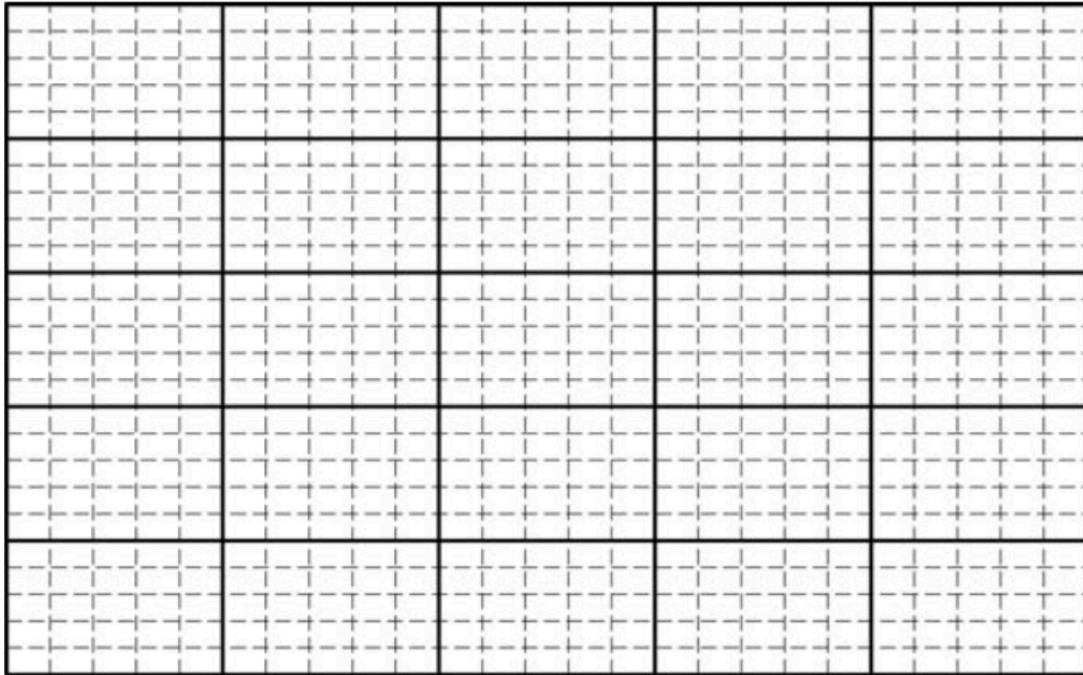


Analysis and Discussion

1. Plot the range as a function of the initial velocity. Include a best fit line.



2. Determine the slope of the best fit line. Clearly mark the points on the line used to calculate the slope (e.g. with an \times). Be sure to include units.
3. What quantity does the slope represent? *Hint: Consider the equation for the horizontal motion of a projectile.*
4. Use your answers from questions 2 and 3 to determine the acceleration due to gravity. Determine the percent error.