Number of people found by searchers walking … feet apart

Distance Apart of Searchers in feet	Percent of People Found
20	90
40	80
60	70
80	60
100	50

1. Plot the points on a graph. Include a title, labels and units on the graph.
2. Draw the line of best fit.
3. What is the rate of change, including units?

Explanation #3

4. Write the equation of the line of best fit.

Explanation #4

5. How many people will be found if the searchers are 160 feet apart?

Explanation #5

6. How far apart must the searchers be to find 100% of the people?

Explanation #6