Lesson 1 Practice Problems

1. Priya jogs at a constant speed. The relationship between her distance and time is shown on the graph. Diego bikes at a constant speed twice as fast as Priya. Sketch a graph showing the relationship between Diego’s distance and time.

2. A you-pick blueberry farm offers 6 lbs of blueberries for $16.50.

Sketch a graph of the relationship between cost and pounds of blueberries.
3. A line contains the points (-4, 1) and (4, 6). Decide whether or not each of these points is also on the line:

a. (0, 3.5)

b. (12, 11)

c. (80, 50)

d. (-1, 2.875)

4. The points (2, -4), (x, y), A, and B all lie on the line. Find an equation relating x and y.