1. The equation $C = 10 + 2n$ represents the cost in dollars, C for n baseball caps advertising the walkathon. Which pair of values could represent a number of caps and the cost for that number of caps, (n, C)? Explain your answer.

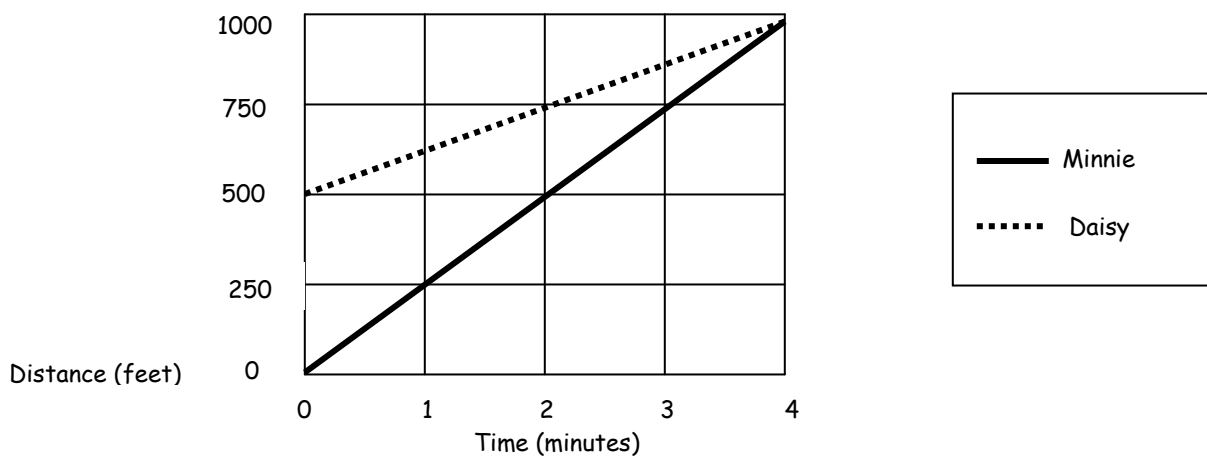   (0 , 10)   (7 , 24)   (15 , 30)

2. The equation $d = 3.5t + 50$ represents the distance in meters, d, that a cyclist is from his home after t seconds. Which pair of values represents a point on the graph of this equation? Explain your answer.

    (10 , 85)   (0 , 0)   (3 , 60.5)

Minnie stops at Daisy's house on her way to school. Daisy's mother says that Daisy left 4 minutes ago. Minnie leaves Daisy's house, running to catch up with Daisy. The graph below shows the distance each girl is from Daisy's house, starting from the time Minnie leaves Daisy's house.

3.   After how many minutes does Minnie catch up to Daisy?

4.   How far from Daisy's house does Minnie catch up with Daisy?

5.   Each graph intersects the distance axis (the y-axis). What information do the points of intersection give about the problem?

6.   Which line is steeper? How can you tell from the graph? How is the steepness of each line related to the rate at which the person travels?

7.   What do you think the graphs would look like if we extended them to show distance and time after the girls meet?