## pg 365 #1,2,6

- 1. A graph is sometimes more useful than an equation because it is a visual representation of the speed. It allows you to see the relationships between the two variables easily.
- 2. The slope of a distance-time graph represents the speed of an object.

6.a) terry has the greater speed

b) 
$$V_{3erry} = \frac{180 \, m - 60 \, m}{155 - 55}$$

$$= \frac{120 \, m}{105} = 12 \, m/s$$

$$V_{70m} = \frac{90 \, m - 30 \, m}{15 - 55}$$

$$= \frac{60 \, m}{105} = 6 \, m/s$$

Yes this matches my answer in (a)

c) if a rider stopped the graph would become a horizontal (ine