Hand In – Slope

Name: _____ **Total:** _____/14

1. State two real life applications of slope:

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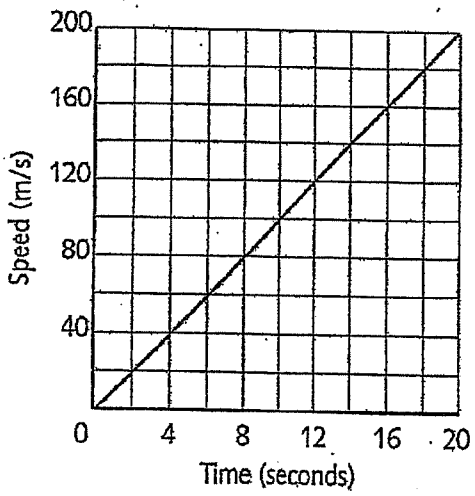
2. Maranda decides to go skydiving. This graph represents her speed per second as she free-falls through the air.



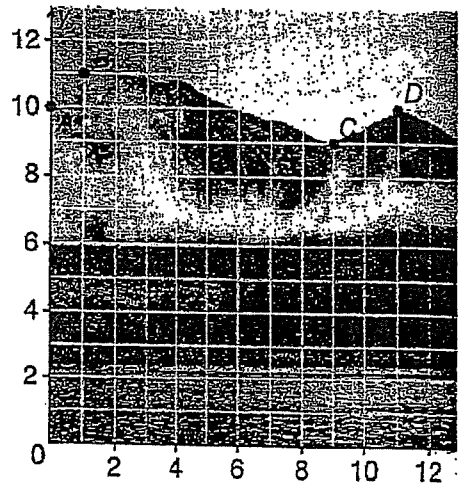
a) Identify the independent and dependent variable.

b) Calculate the slope (show all your work).

c) Use the following chart to interpolate/extrapolate information from the graph.

Time (seconds)	5		12	
Speed (m/s)		100		140

3. Observe the following picture. Calculate the slope between points **A and B**, and **C and D**.



4. The slope of a horizontal line is: _____.

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5. Use either **rise/run** or the **slope formula** to calculate the slope of each line.

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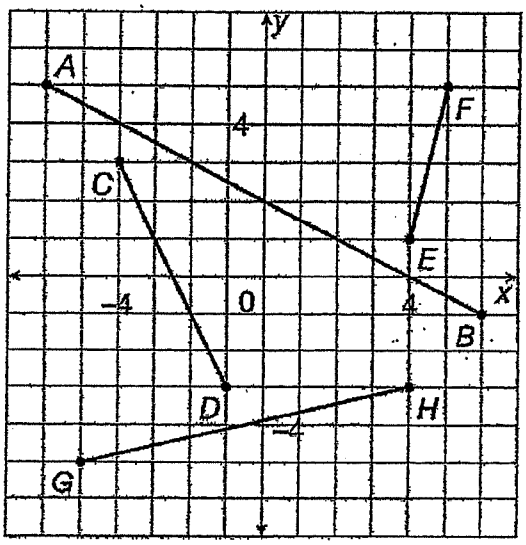

6. Use the **slope formula** to calculate the slope between these two points on a line.

(4, 15) and (8, 35)

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