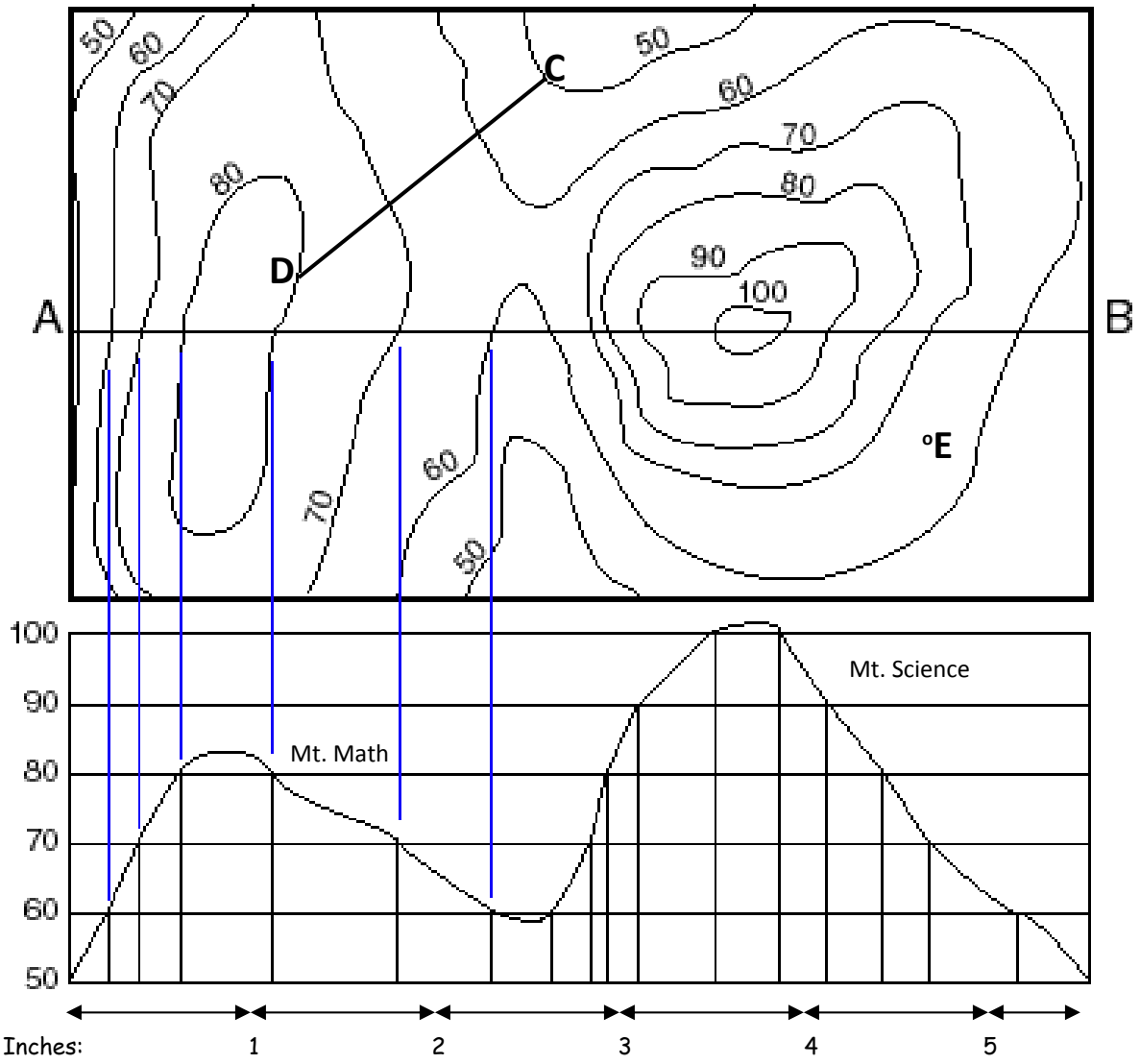
MiSP Topographic Maps Assessment

Name _____ Date_____

The contour/topographic map shows an area with two hills named Mt. Math and Mt. Science. A graphical profile of the line from A to B is below the map. <u>The map's distance key is 1" = 2 miles. You need a ruler for this assessment.</u>



1. What is the horizontal distance along the line drawn from C to D to the nearest 0.25 mile? Show work.

_____ miles

2. If you walked from C to D along the line marked on the map, would you be walking an upward slope or a downward slope?

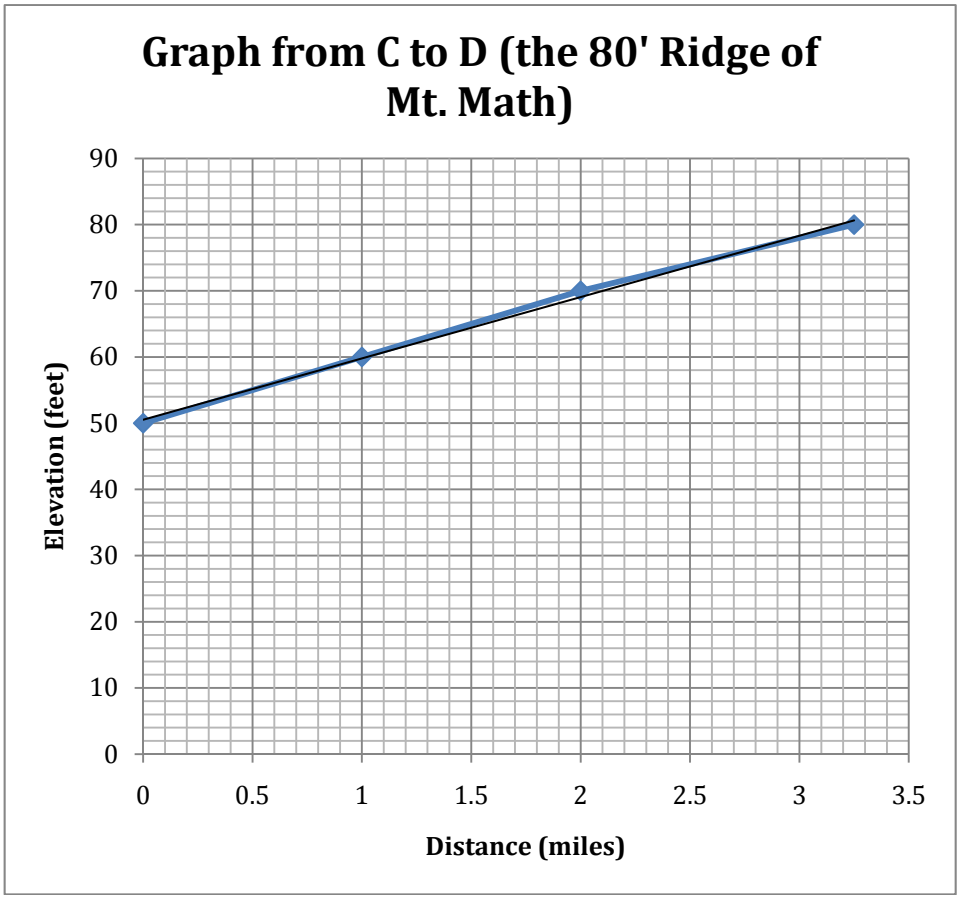
_____ How do you know it is an upward slope or downward slope?

_____

_____

3. What is the elevation of the dot by letter E? _____ feet.

The line from C to D (the 80' ridge of Mt. Math) is graphed on the grid below:



4. What is the slope of the line on the graph above? Show work.

5. What would be the sign (+/positive or -/negative) of the unit rate of change (slope) for a line from the top of Mt. Science to B? Explain why the slope would be +/positive or -/negative.

_____

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