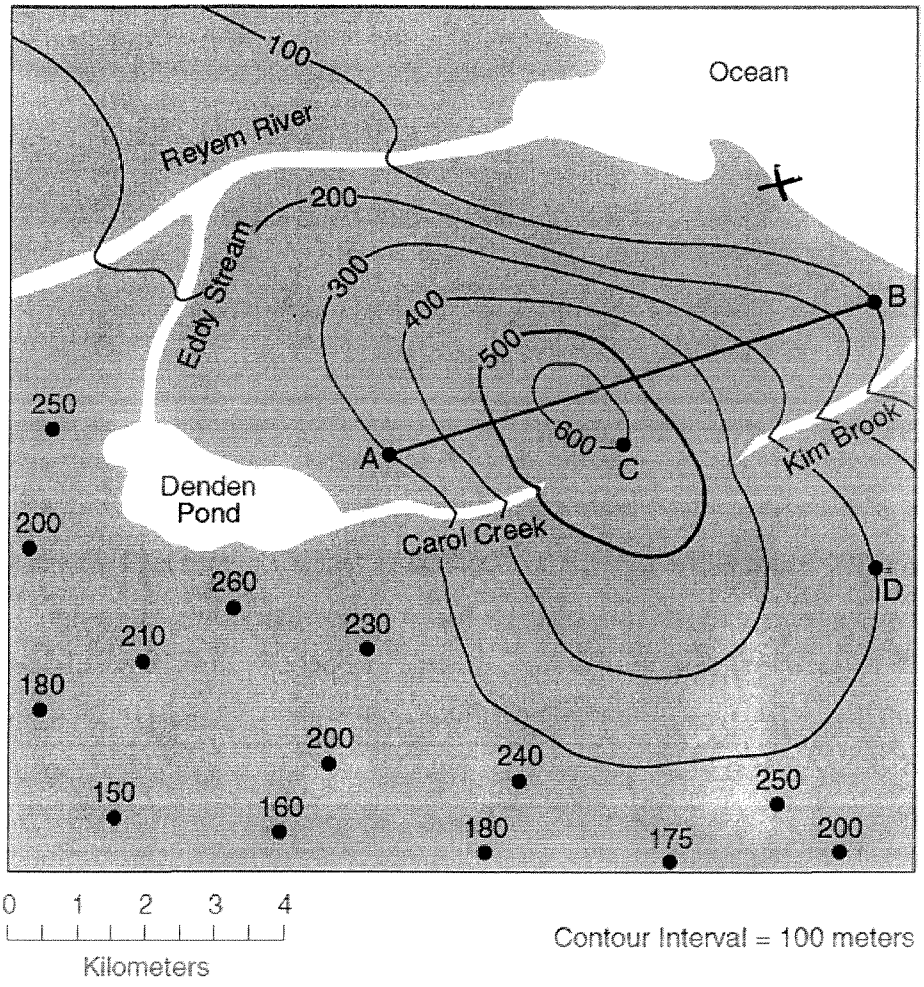
Topo maps- mid term part II prep

Name:

Base your answers to questions **1** through **3** on the topographic map in your answer booklet and on your knowledge of Earth science. Points *A*, *B*, *C*, and *D* represent locations on Earth's surface. Elevations are measured in meters.

Answers:



1)

2) (show work below)

a. write formula:

b. substitute units:

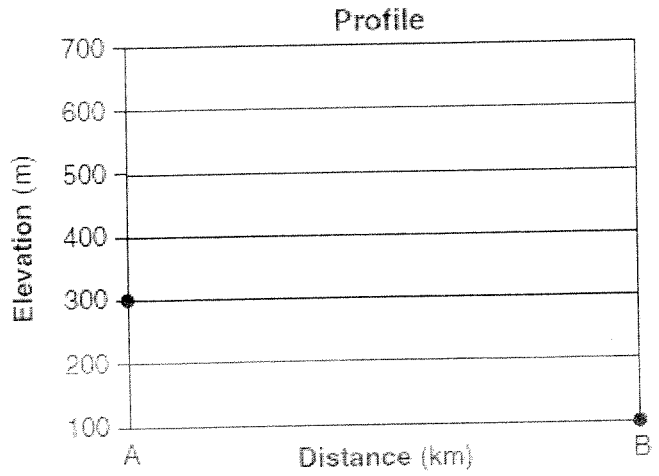
c. calculate answer:

d. Include units.

1. Identify the compass direction toward which Kim Brook flows. Describe the evidence shown on the map that indicates the water flows downhill in that compass direction.

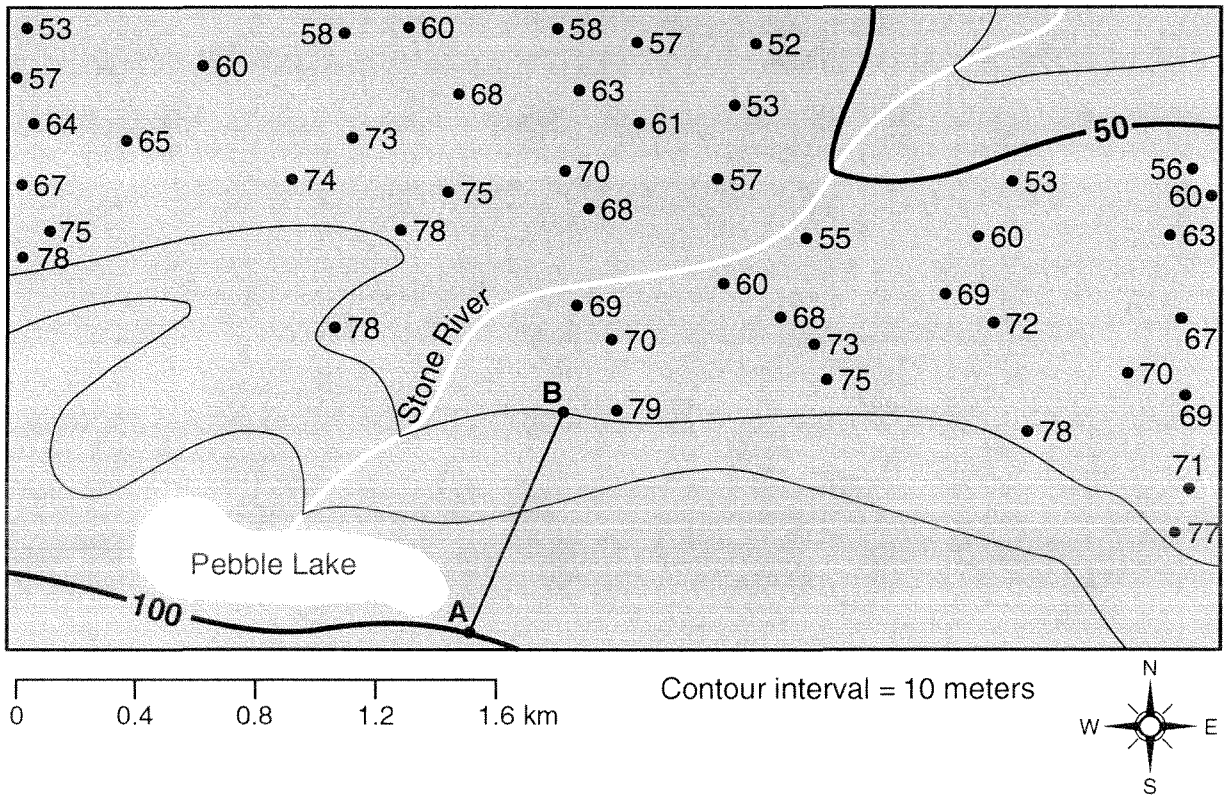
2. Calculate the gradient between points *C* and *D*. Label your answer with the correct units.

3. On the grid construct a topographic profile along line *AB* by plotting the elevation of each contour line that crosses *AB*. The elevations of points *A* and *B* have been plotted on the grid. Connect all ten plots with a line from *A* to *B* complete the profile.



4. State the Elevation of point X. Include Units

5. Base your answer to the following question on the topographic map below and on your knowledge of Earth science. Some contour lines have been drawn. Line *AB* is a reference line on the map.



On the map, draw the 60-meter and 70-meter contour lines. The contour lines should extend to the edges of the map.