# Mapping Earth

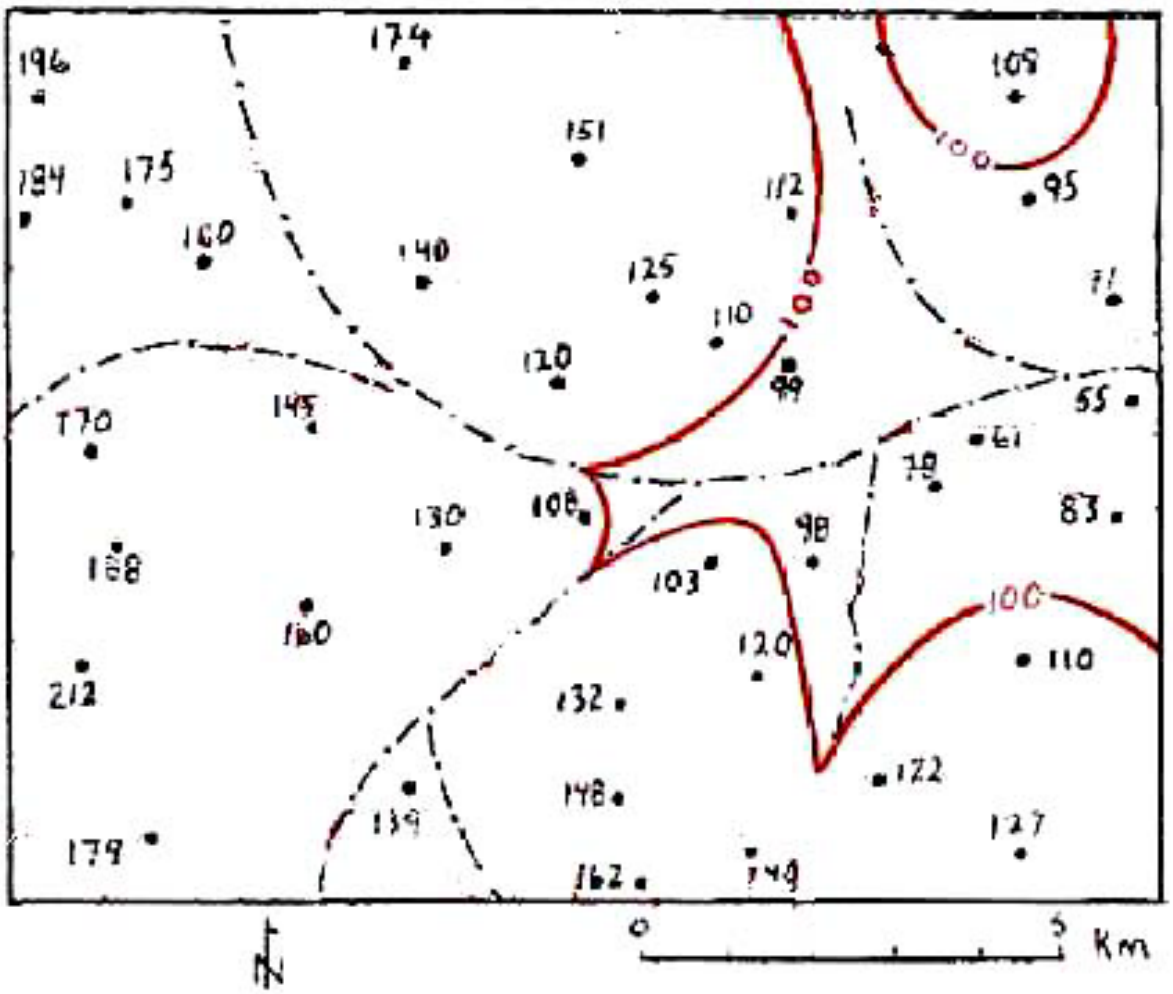
## Unit Review

Name_____

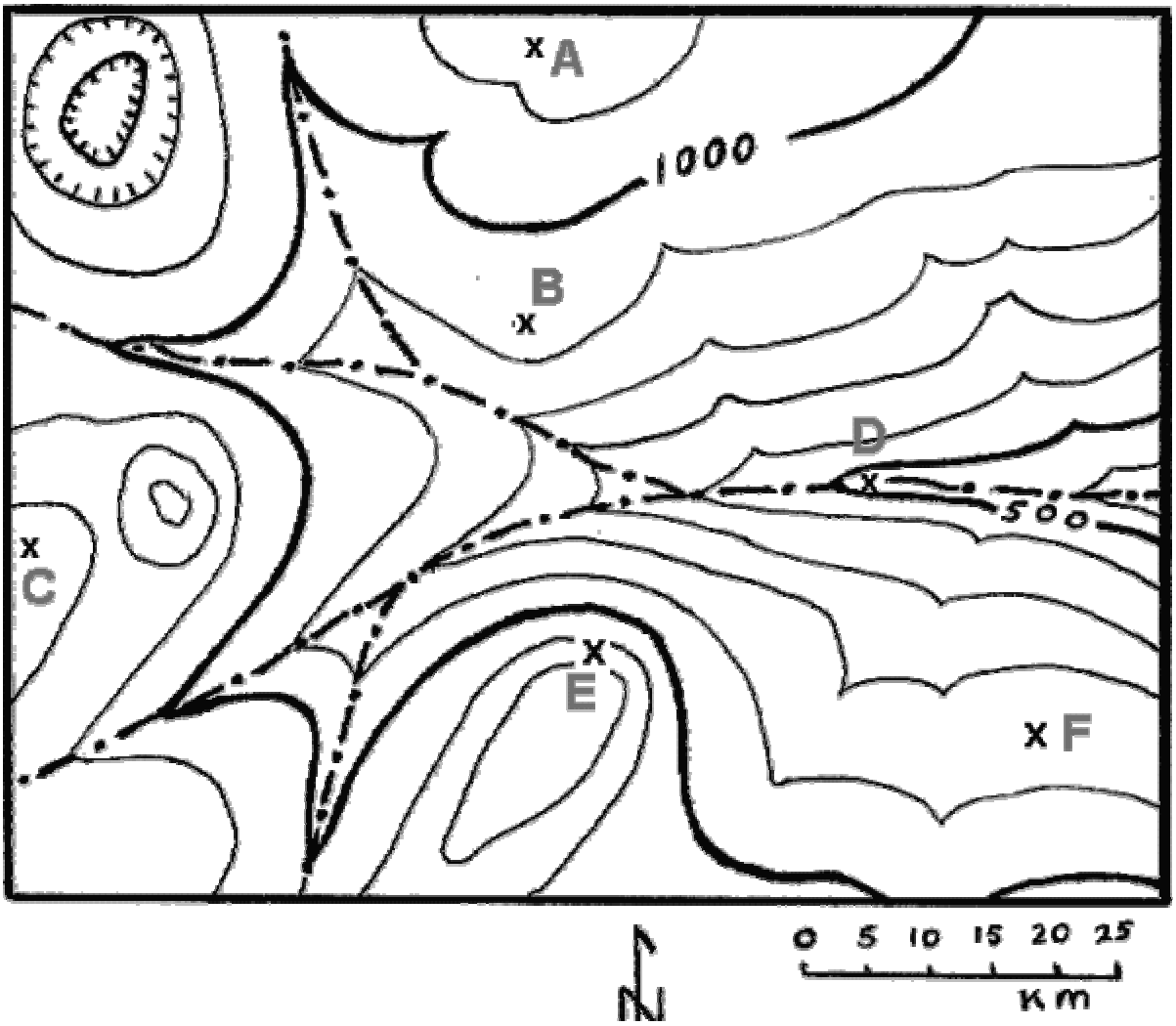
1. Be sure you know the meaning of the following words. Quiz each other and place a check next to those you know.

| | | | |
|---|---|---|---|
| | contour interval | | isoline |
| | contour line | | isotherm |
| | depression contour | | map profile |
| | elevation | | maximum |
| | field value | | minimum |
| | gradient | | rule of Vs |
| | isobar | | scale |

2. On the map below draw in contour lines using an interval of 20 meters. The 100 meter lines have been drawn for you.



3. Use the map below to complete items a through i.




a. What is the contour interval of this map?_____

b. Label the elevation of every contour line.

c. What is the maximum possible elevation of the mountaintop found at A?_____

d. What is the lowest possible elevation at the bottom of the depression?_____

e. In what general direction are most of the rivers flowing?_____

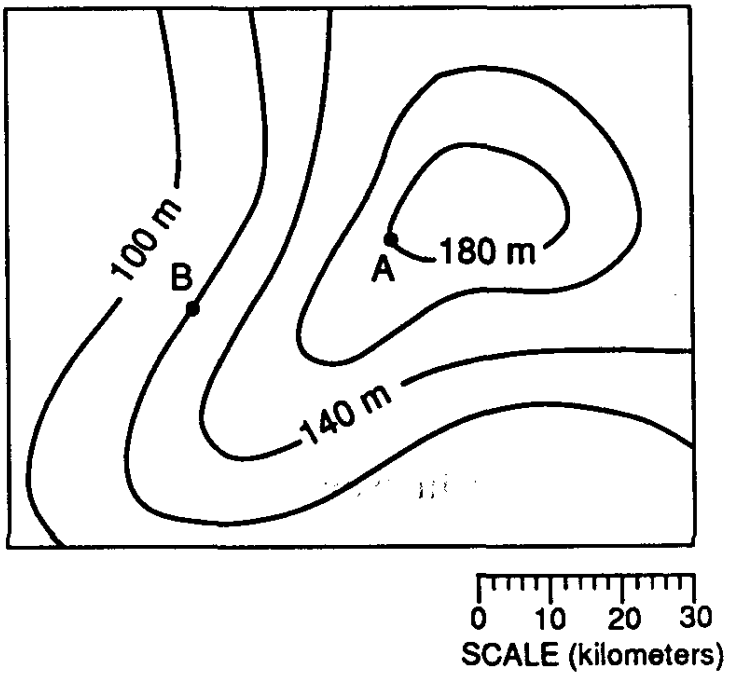
f. How did you determine the direction of river flow?_____

g. Place an X at the steepest location on the map.

h. How did you determine where it was steep?_____

i. What is the distance **along** the river from point C to D?_____

4. Use the map below to calculate the gradient between points A and B.




Write the formula for gradient.

Substitute the data.

Calculate the gradient and include the proper units.