8. Gradient is how steep the slope is. It is possible to calculate the gradient of a slope using the formula on page 1 of your reference tables.

Gradient = cham

10.0 5/mile

mi = miles m = meters m! = millilite.

The diagram below represents a temperature field in degrees Celsius. What is the approximate temperature field gradient between points X and Y? [Refer to the Earth Science Reference Tables.]



Base your answer to the following question on the Earth Science Reference Tables.

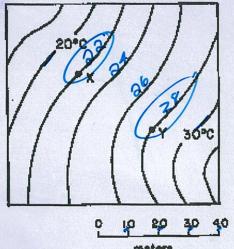
distance A stream begins at an elevation of 2,000 maters and ends in a lake at an elevation of 400 meters. The lake is 320 kilometers from the stream's source. What is the average gradient of the stream?

(1) 1.6 m/km

(3) 5.0 m/km

(2) 2.0 m/km

(4) 8.0 m/km



meters

(1) 0.5 °C/m

(3) 3 °C/m

2) 2 °C/m

(4) 6 °C/m