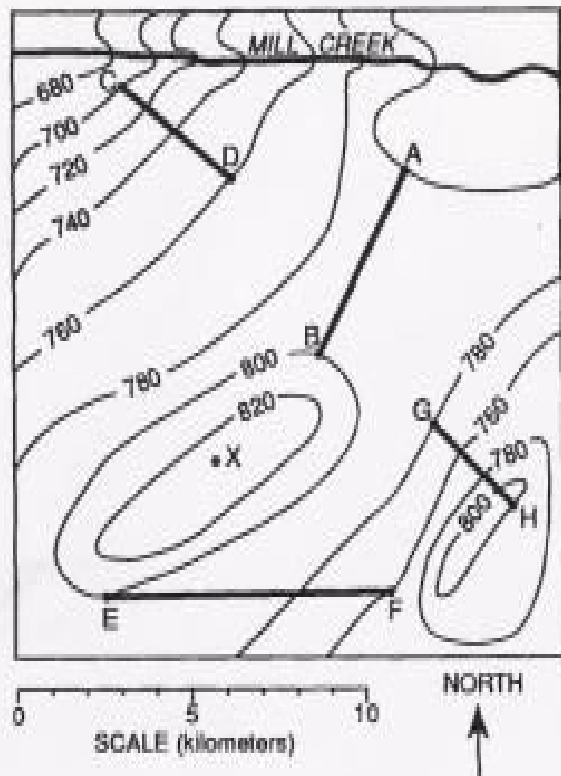


Base your answers to questions 1 through 5 on the *Earth Science Reference Tables* and the topographic map below. The topographic map represents elevation contours measured in meters. Four straight lines, *AB*, *CD*, *EF*, and *GH*, have been drawn for reference purposes.



- What is the general direction of flow of Mill Creek?
 - east to west
 - west to east
 - north to south
 - south to north
- Between which two locations is the gradient approximately 15 meters per kilometer?
 - A* and *B*
 - E* and *F*
 - C* and *D*
 - G* and *H*
- If uplifting and leveling forces are in a state of dynamic equilibrium, the average elevation of the area will
 - decrease
 - increase
 - remain the same

- What could be the elevation of point *X*?
 - 819 m
 - 826 m
 - 841 m
 - 850 m
- Which profile below most likely represents cross section *GH*?

