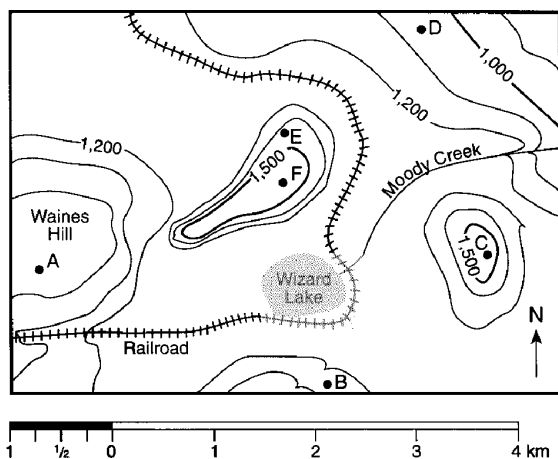


Topographic profiles

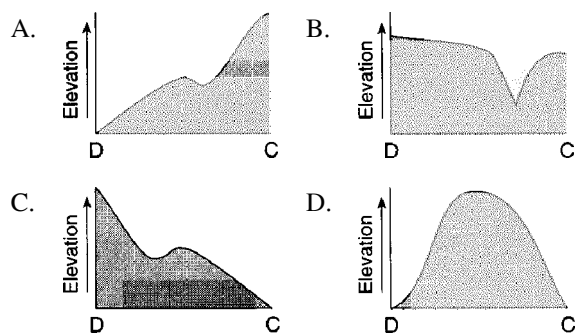
Name: _____

Date: _____

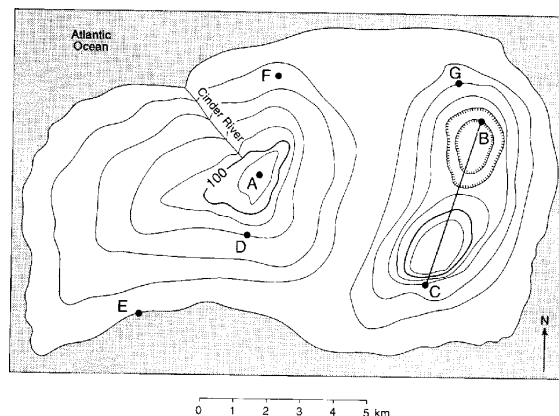
- Base your answer(s) to the following question(s) on the topographic map below and on your knowledge of Earth science. Letters A through F represent locations on the map.



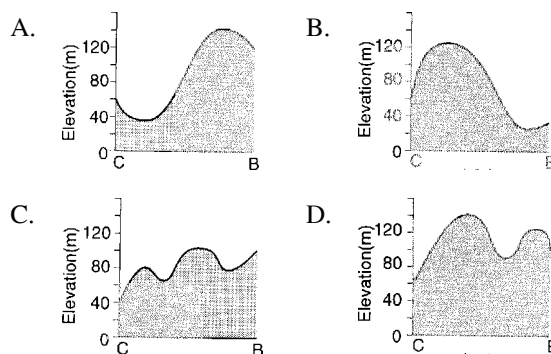
Which diagram best represents the profile along a straight line from point D to point C?



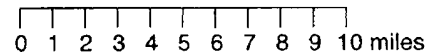
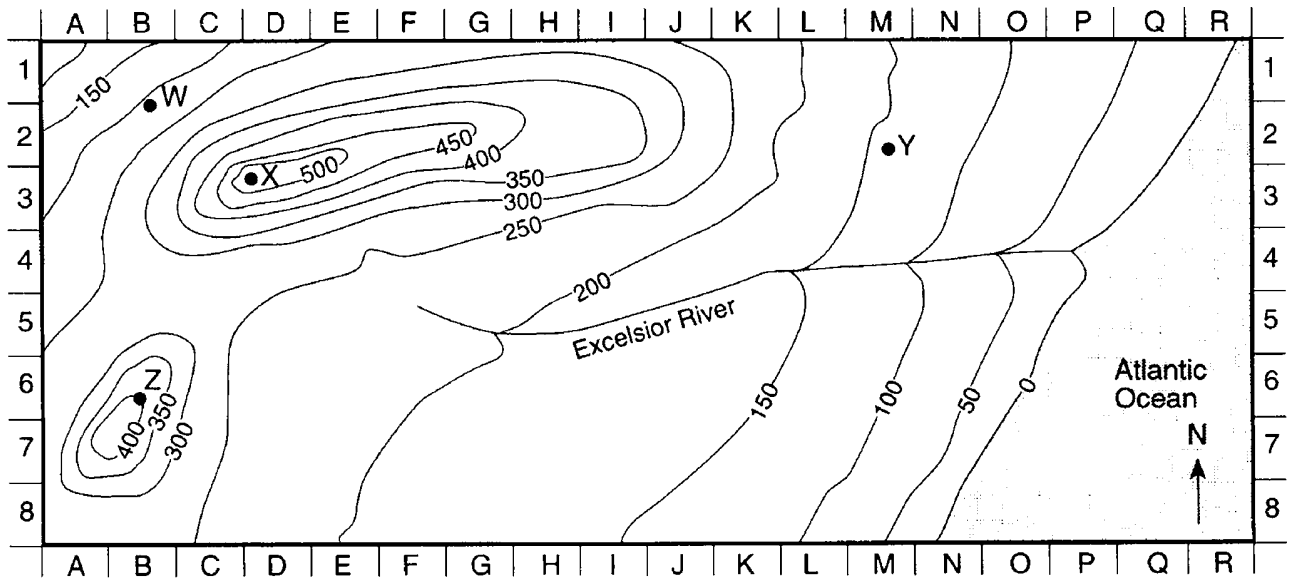
- Base your answer(s) to the following question(s) on the contour map of an island below and on your knowledge of Earth science. Points A through G represent locations on the island. Elevations are in meters.



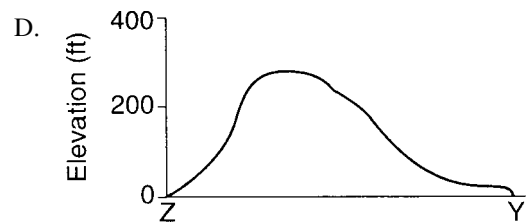
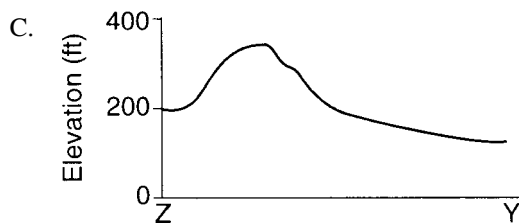
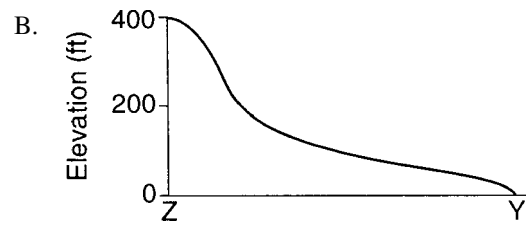
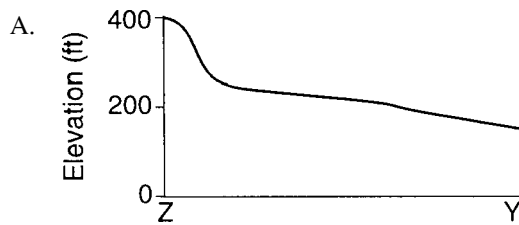
Which diagram best represents the topographic profile from location C to location B?



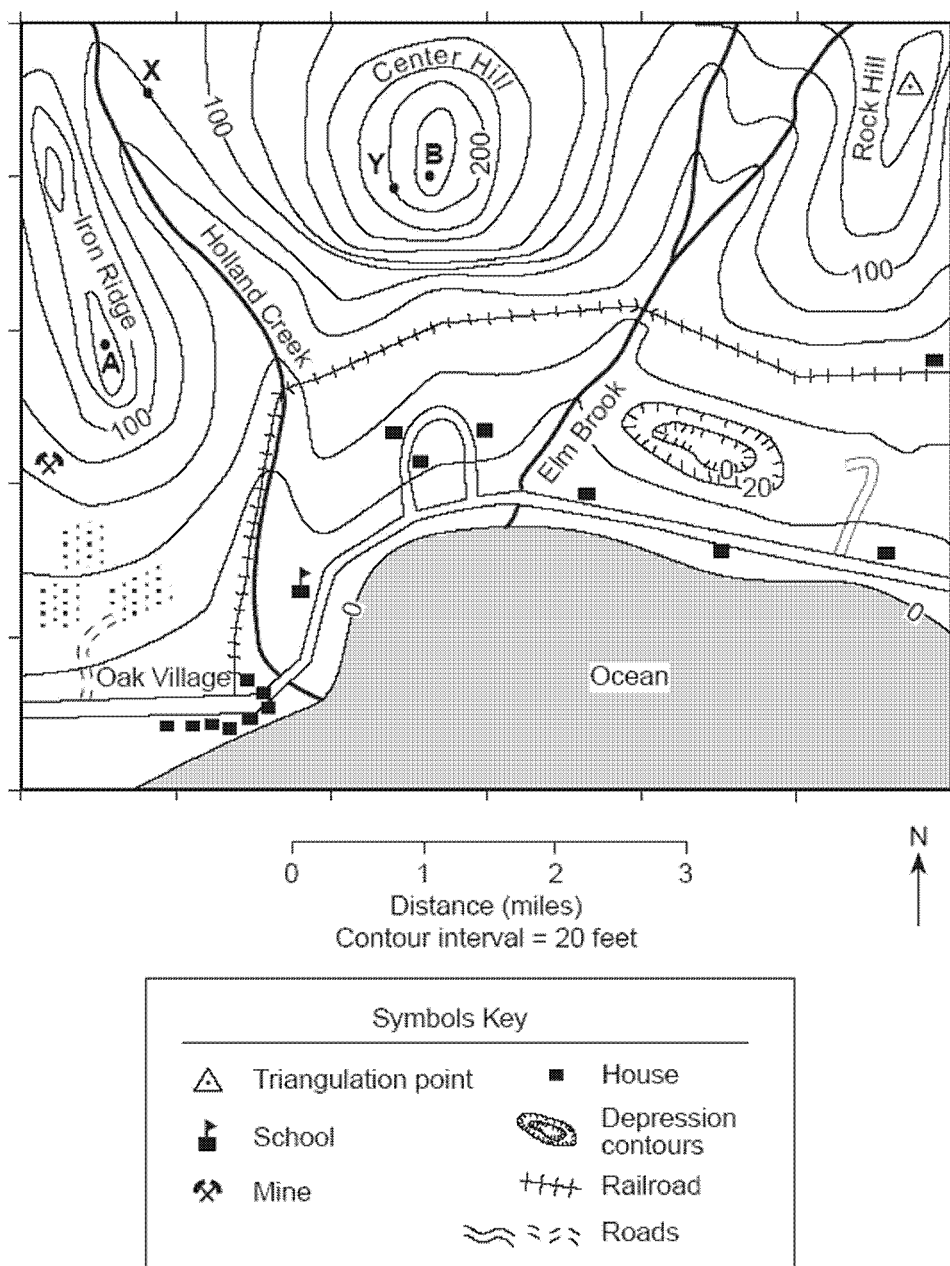
3. Base your answer(s) to the following question(s) on the Earth Science Reference Tables, the topographic map below that represents a location in North America, and on your knowledge of Earth science. A grid system of letters and numbers along the edges of the map is provided to assist in finding locations. Elevations are expressed in feet.



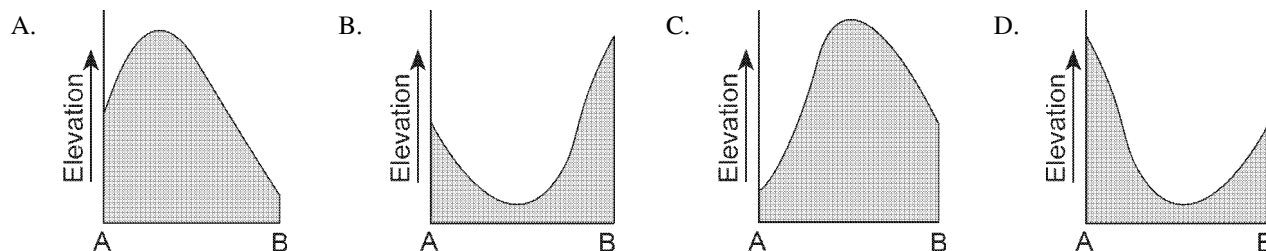
Which profile best represents the topography along a straightline from point Z(6-B) to point Y(2-M)?



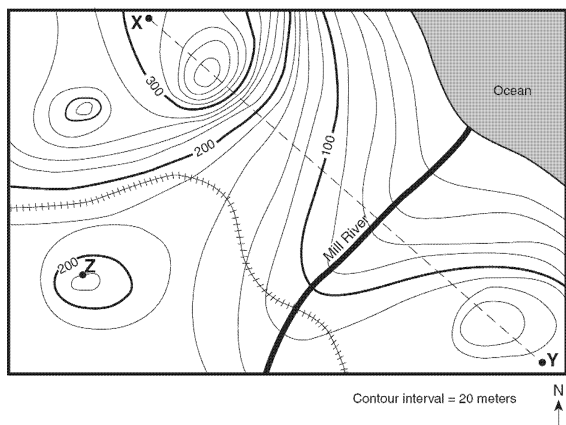
4. Base your answer(s) to the following question(s) on the *Earth Science Reference Tables*, the topographic map below, and your knowledge of Earth science. Points A, B, X, and Y are locations on the map. Elevations are shown in feet.



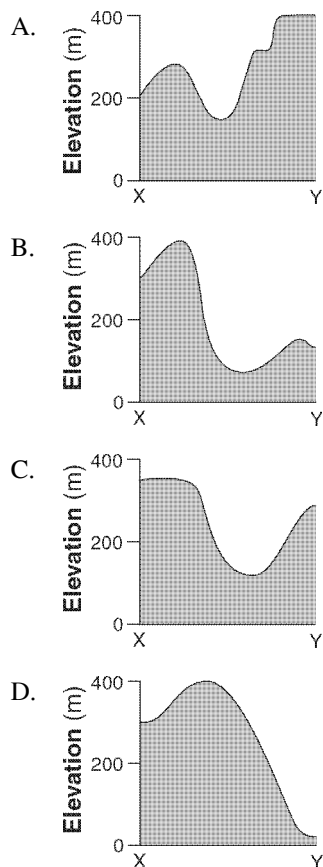
Which diagram best represents the topographic profile along a straight line from point A to point B?



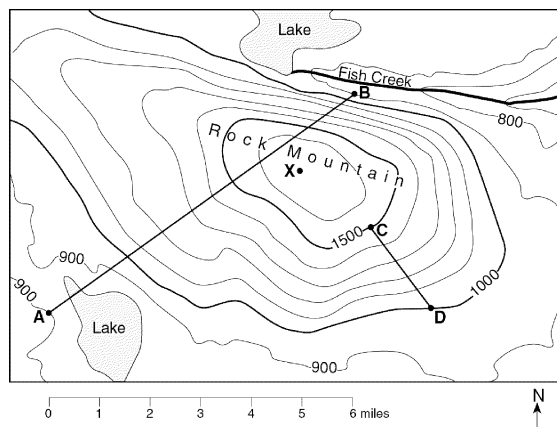
5. Base your answer(s) to the following question(s) on the topographic map below. Points X, Y, and Z are locations on the map. Elevations are expressed in meters.



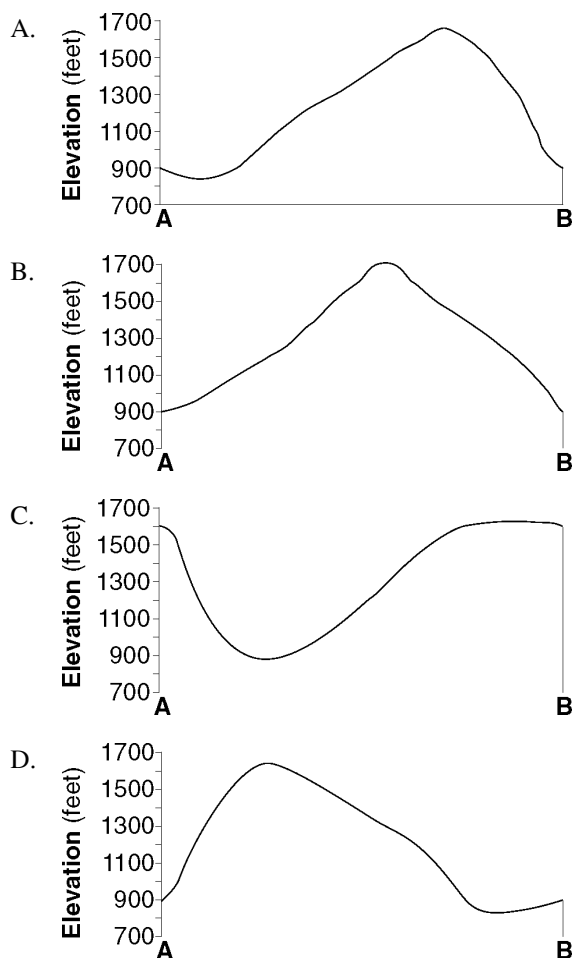
Which profile best represents the topography along the dashed line from point X to point Y?



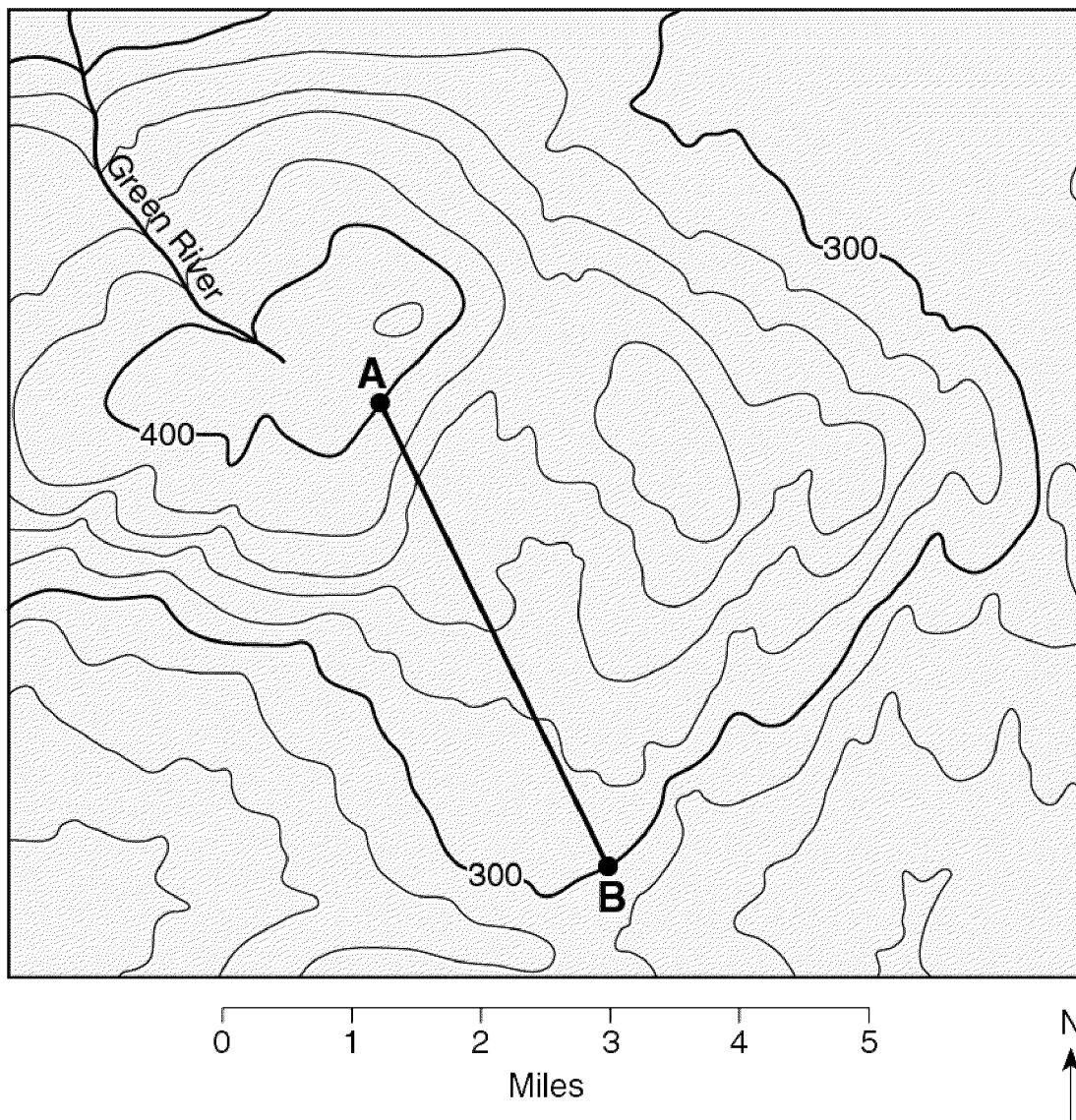
6. Base your answer(s) to the following question(s) on the topographic map below. Points A, B, C, D, and X represent locations on the map. Elevations are measured in feet.



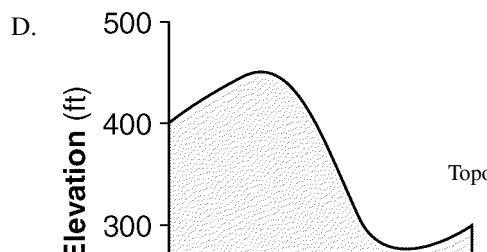
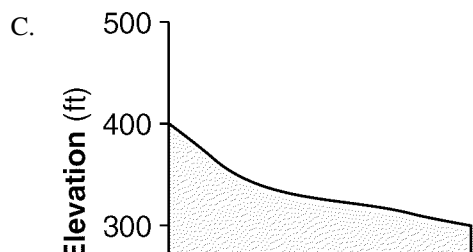
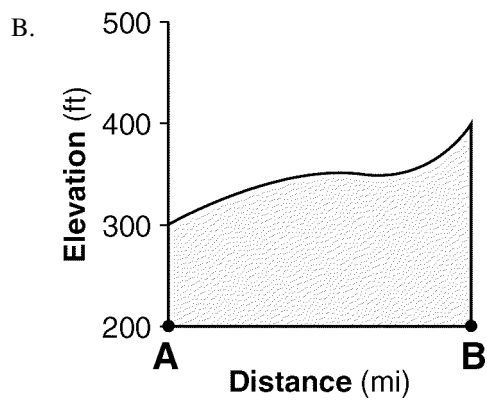
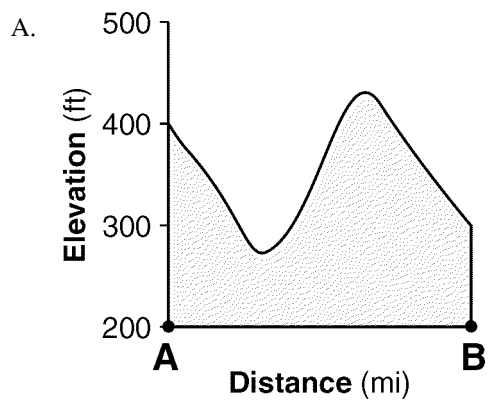
Which cross section best represents the profile along straight line AB?



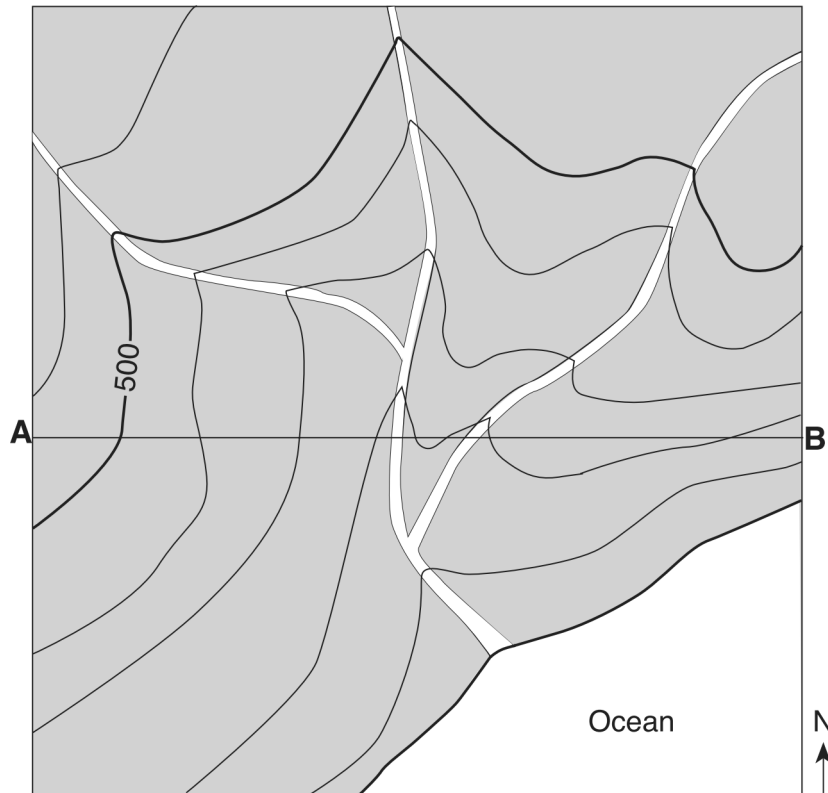
7. Base your answer(s) to the following question(s) on the topographic map below. Elevations are in feet. Points *A* and *B* are locations on the map.



Which graph best represents the profile along line *AB*?

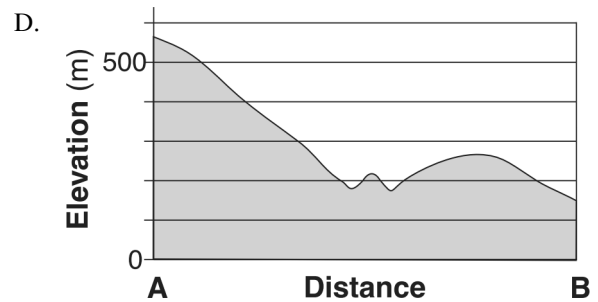
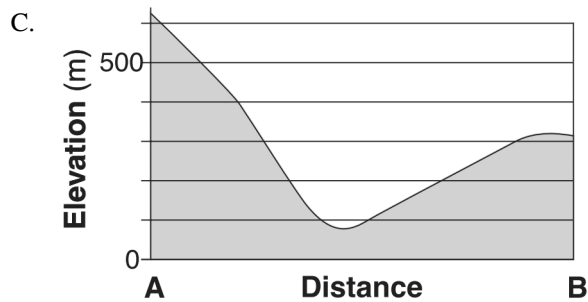
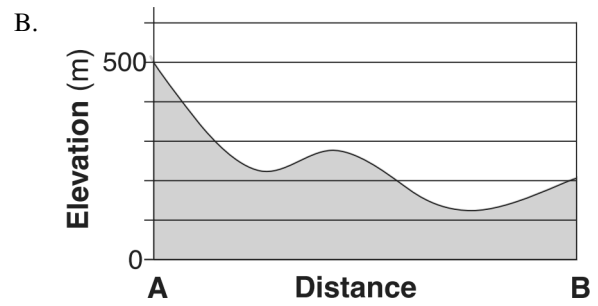
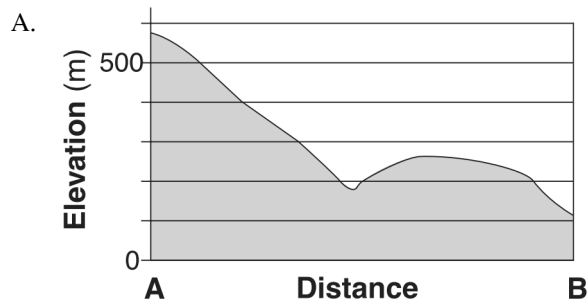


8. The contour map below shows elevations recorded in meters. Line AB is a reference line on the map.

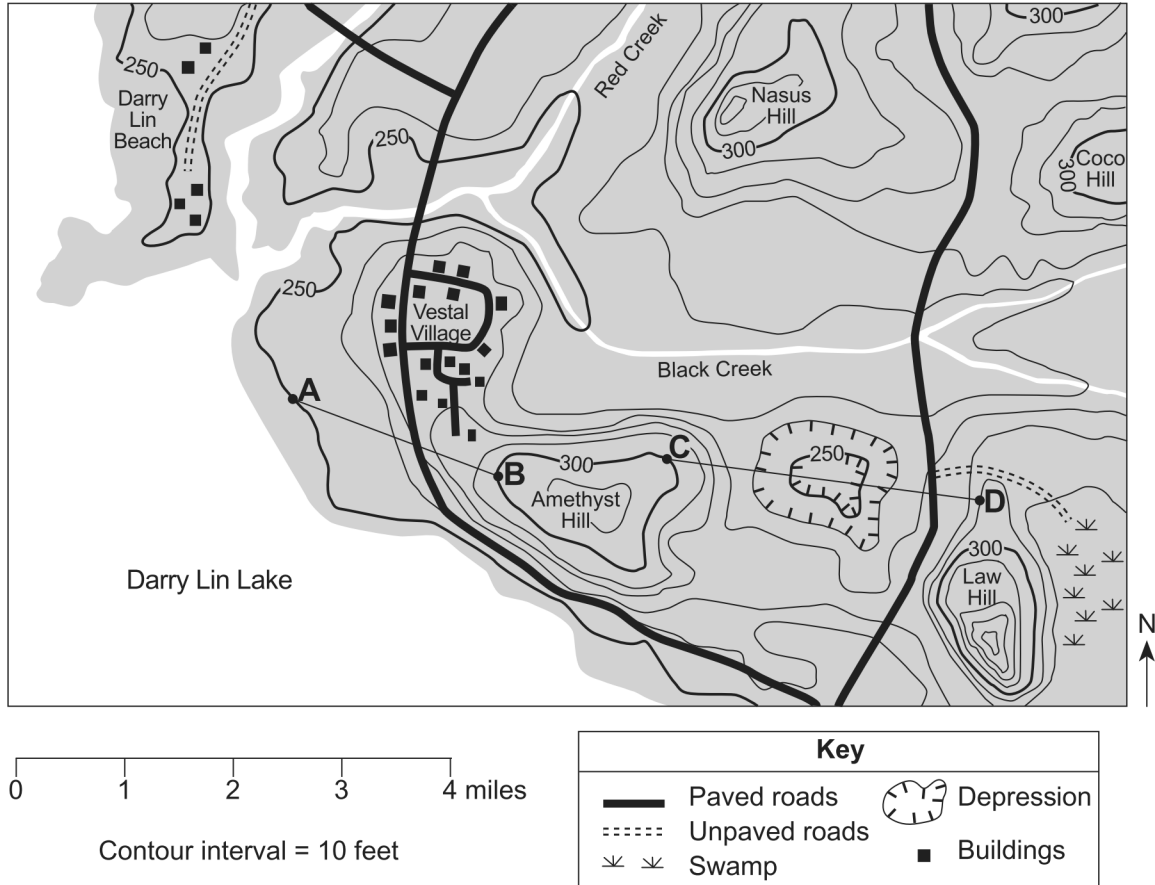


Contour interval = 100 m

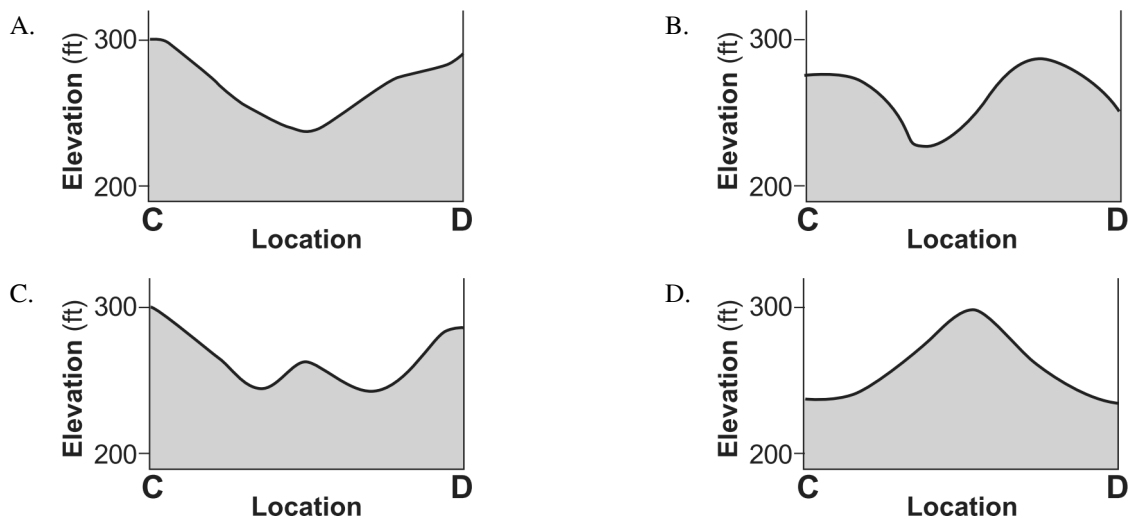
Which graph best represents the profile from point A to point B?



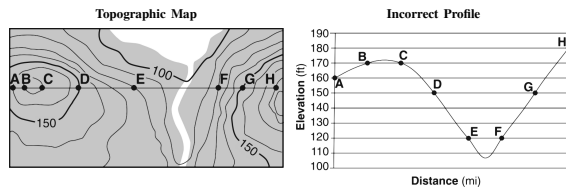
9. Base your answer(s) to the following question(s) on the topographic map below and on your knowledge of Earth science. Points A, B, C, and D represent locations on the surface of Earth. Elevations are measured in feet.



Which cross section represents an accurate profile of the landscape between points C and D?



10. A topographic map and an *incorrectly* constructed profile from point A to point H on the map are shown below.



What mistake was made in the construction of this profile?

- A. using a contour interval of 10 feet
- B. plotting points A through H the same distance apart horizontally
- C. drawing a curved line instead of a straight line from point B to point C
- D. increasing the elevation from point F to point H

Topographic profiles 6/21/2018

- | | |
|---------|---|
| 1. | |
| Answer: | A |
| 2. | |
| Answer: | B |
| 3. | |
| Answer: | A |
| 4. | |
| Answer: | B |
| 5. | |
| Answer: | B |
| 6. | |
| Answer: | A |
| 7. | |
| Answer: | C |
| 8. | |
| Answer: | D |
| 9. | |
| Answer: | A |
| 10. | |
| Answer: | B |