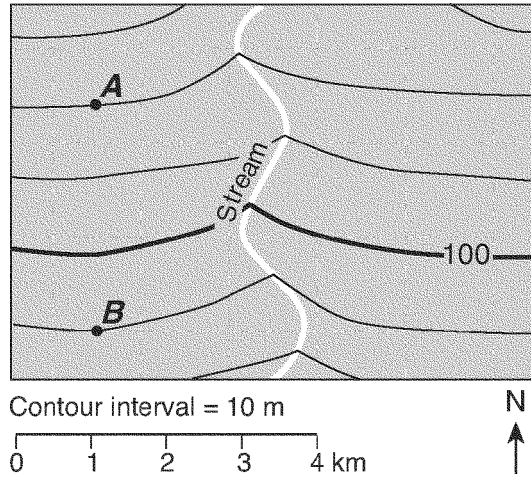


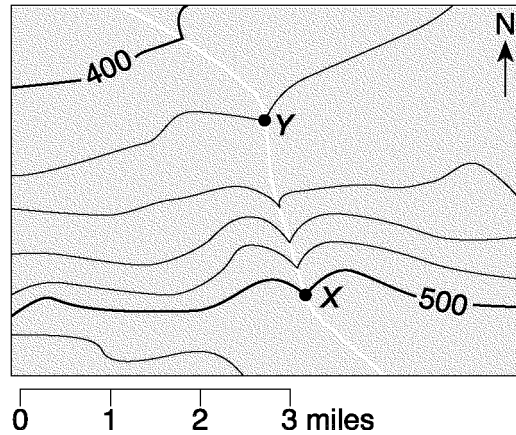
Name: _____

- 1) The topographic map below shows the location of a stream. Points *A* and *B* are locations on Earth's surface.



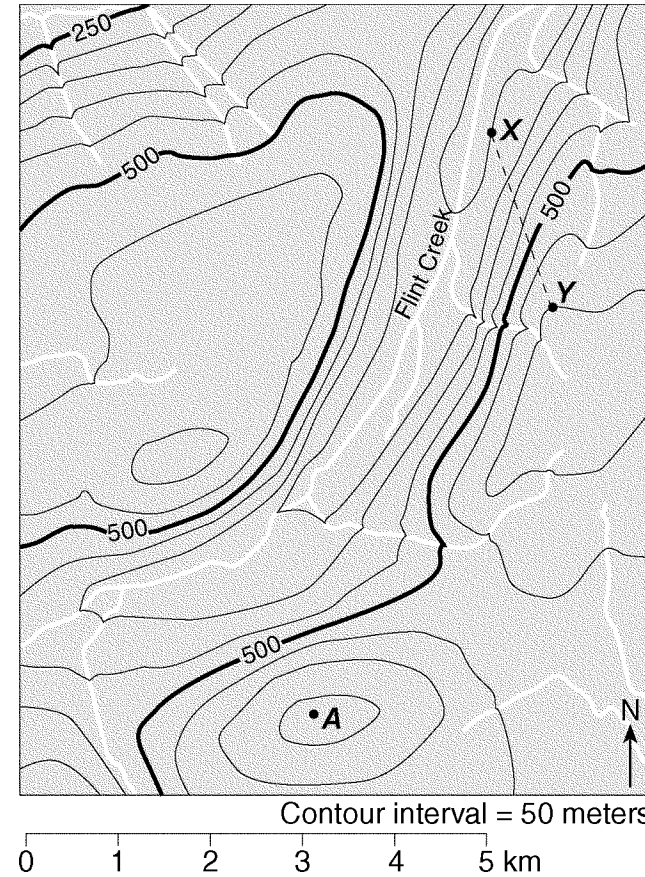
What is the gradient between points *A* and *B*?

- 2) The topographic map below shows a stream crossing several contour lines and passing through points *X* and *Y*. Elevations are measured in feet.



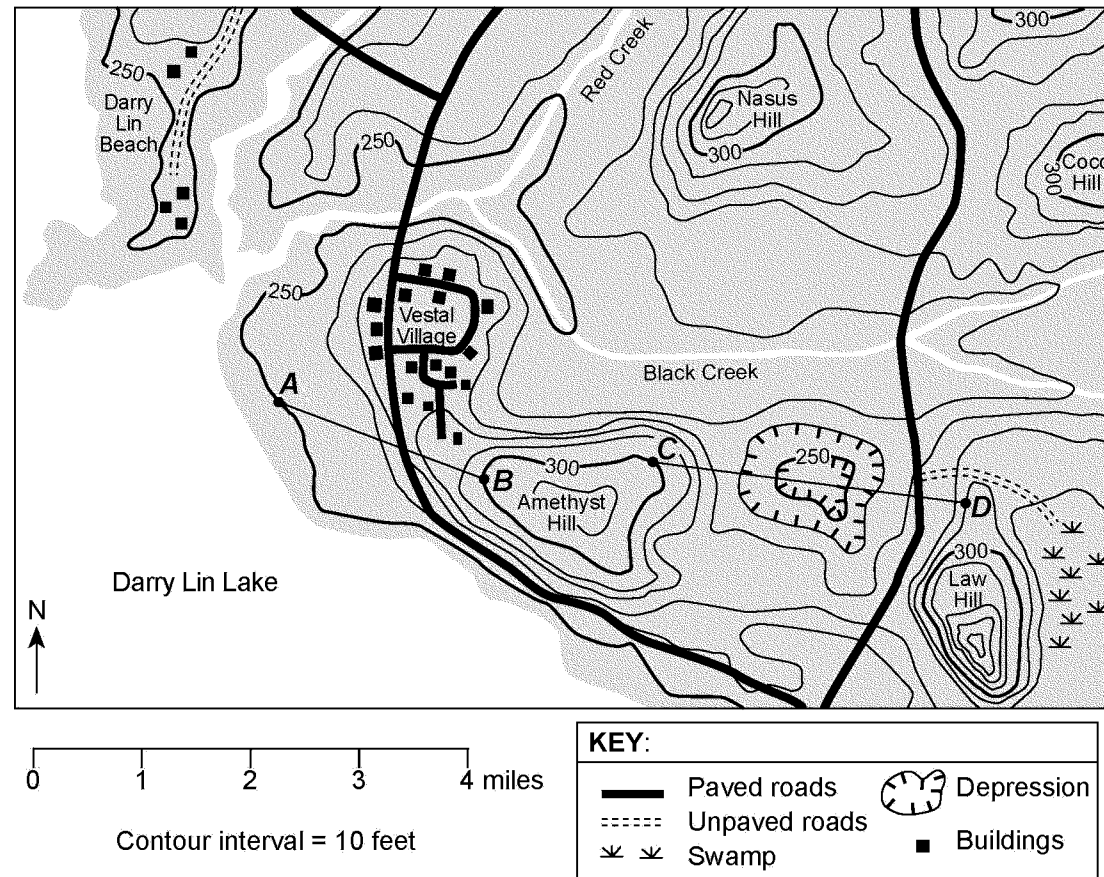
What is the approximate gradient between point *X* and point *Y*?

- 3) Points *A*, *X*, and *Y* are reference points on the topographic map below.



What is the approximate gradient along the straight dashed line between points *X* and *Y* on the given map?

- 4) Points *A*, *B*, *C*, and *D* represent locations on the surface of Earth. Elevations are measured in feet.



What is the approximate gradient from point *A* to point *B* on the given topographic map?

Label EVERY map with the following SIX letters as follows:

- A - highest contour line on map
- B - lowest contour line on map
- X - highest location on map
- Y - lowest location on map
- P - steepest gradient on map
- Q - gentlest gradient on map