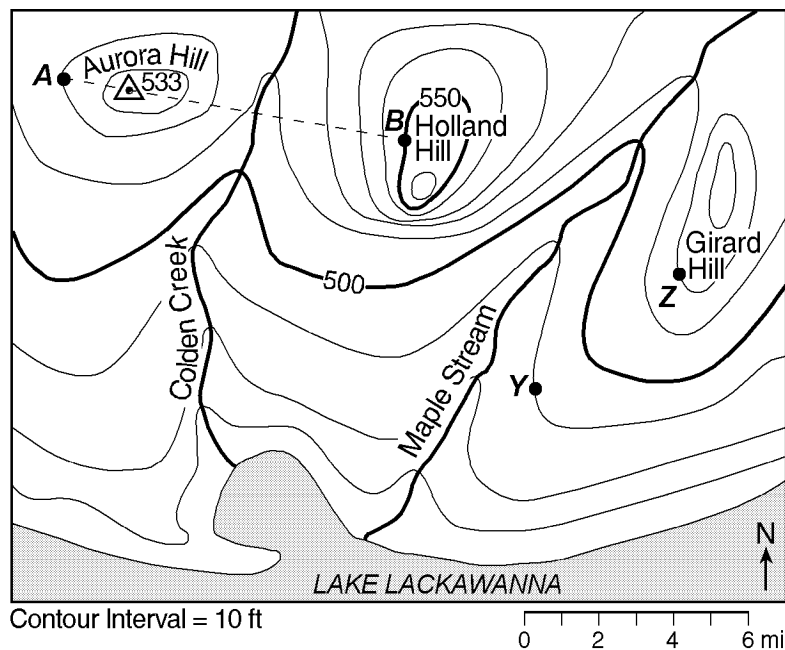


Name: _____

Questions 1 through 4 refer to the following:

On the topographic map below, points *A*, *B*, *Y*, and *Z* are reference points on the topographic map. The symbol $\triangle 533$ represents the highest elevation on Aurora Hill.



- 1) State the general compass direction in which Maple Stream is flowing.
- 2) Calculate the gradient between points *Y* and *Z* on the map. [Label the answer with the correct units.]

- 3) Describe the evidence shown on the map that indicates that the southern side of Holland Hill has the *steepest* slope.
- 4) On the grid below, construct a topographic profile from point *A* to point *B* by following the directions below.
 - (a) Plot the elevation along line *AB* by marking with an **X** each point where a contour line is crossed by line *AB*. [Points *A* and *B* have been plotted for you.]
 - (b) Complete the profile by correctly connecting the plotted points with a smooth, curved line.

