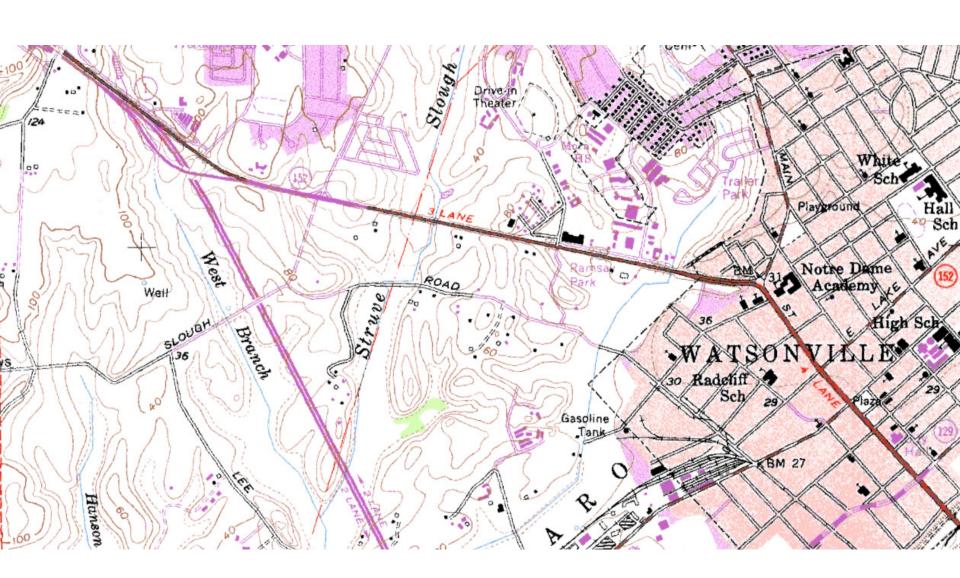
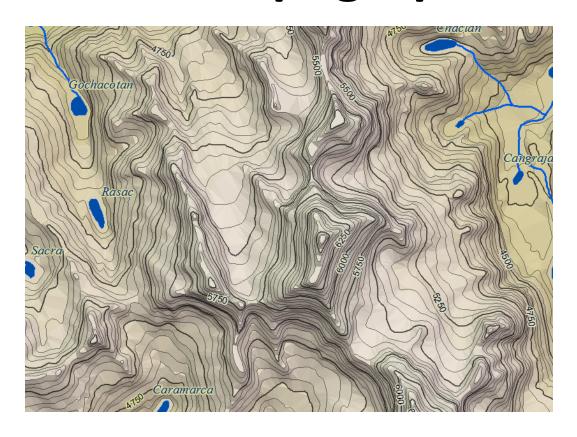


What is a topographic map?



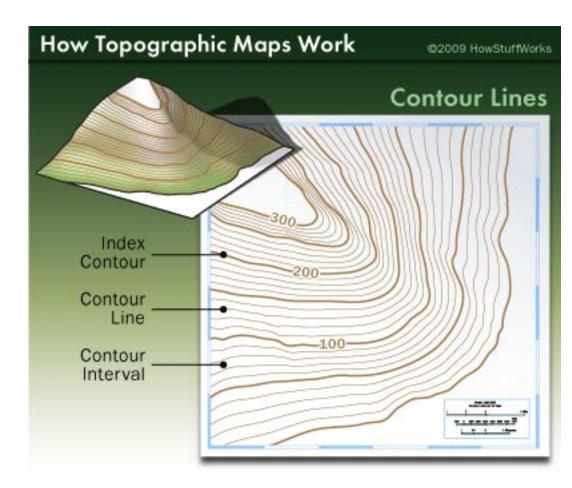
What is a topographic map?



- A topographic maps shows the <u>shape</u> of a landscape
- Topography = "shape of land"
- Elevation = height above sea level

What is a contour line?

Contour lines are continuous lines used on a topo map in order to show points of the same elevation



What is a contour?

Major/Index Contour line

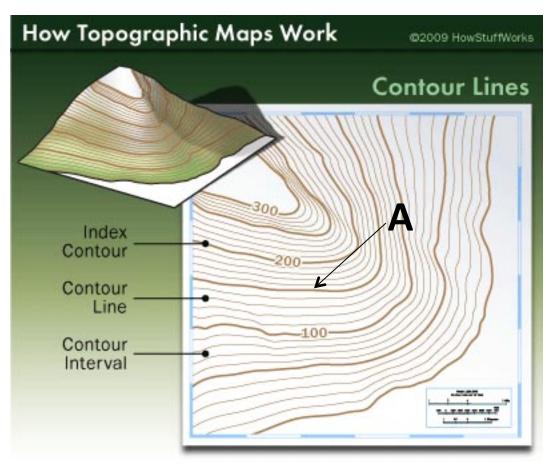
labeled with elevation above sea level

Contour Interval

the elevation change between any two contour lines

What is the elevation on point A on your map?

What is the contour interval on this map?

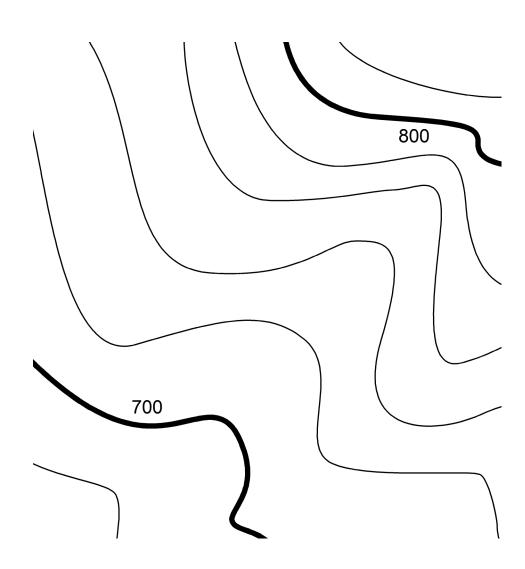


http://static.ddmcdn.com/gif/how-to-read-topographic-map-2.jpg

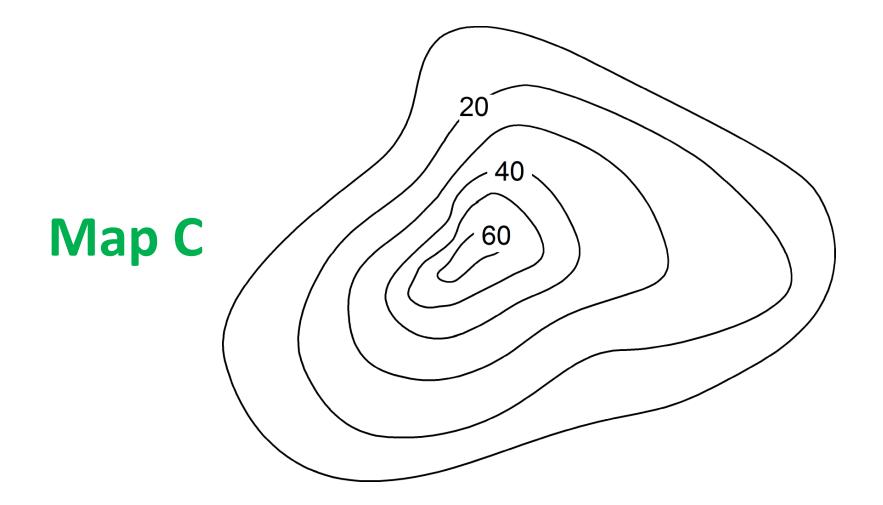
What is the contour interval?

Determine the contour interval for the following 4 topographical maps

Map A







Map D

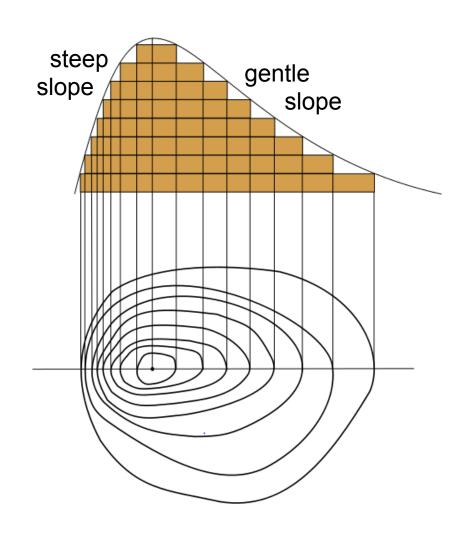
Identifying slope steepness

 What do you notice about the contour lines that represent the <u>steep</u> slope of the mountain?

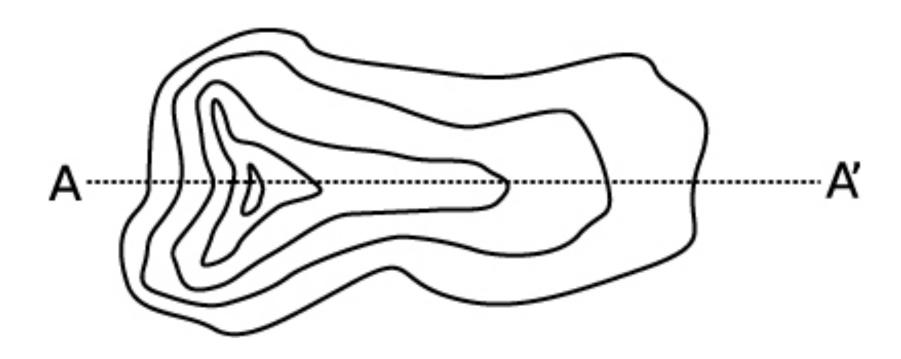
When the slope or angle of a mountain side increases, the *contour* lines are located *closer together*

What about the gentle slopes?

When there is less slope or the slope is more gentle the *contour lines* are *further apart*

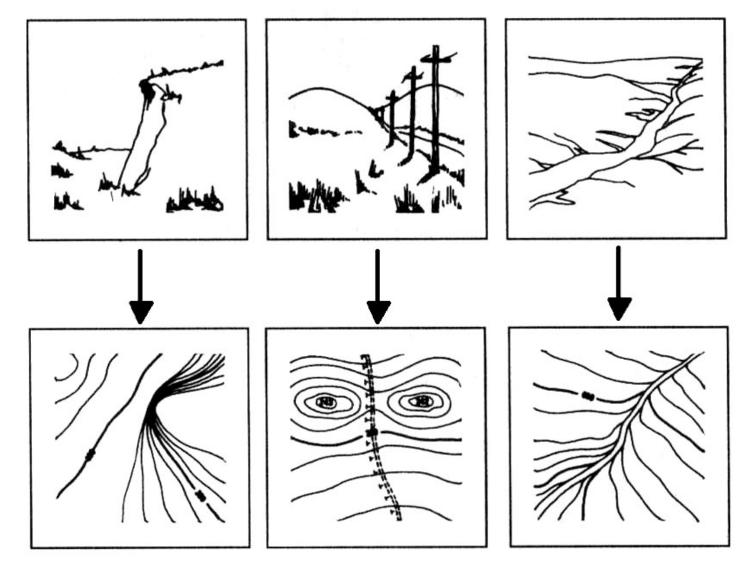


Activity: Identifying slope steepness



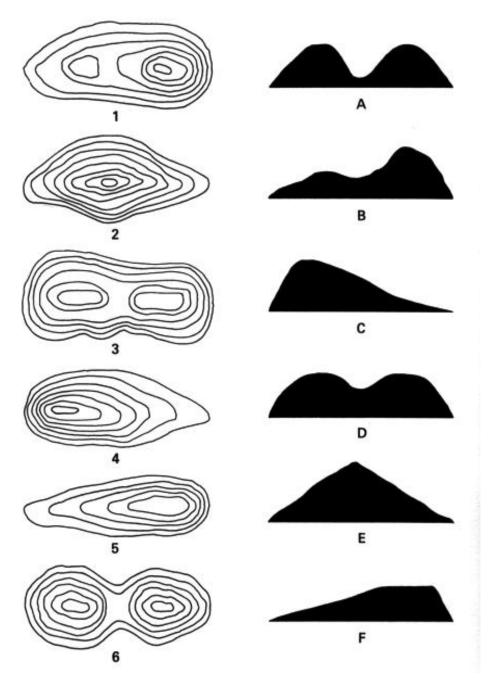
- Draw the side view of the mountain represented by this contour map
- 2. Discuss with a partner; Which side has the most steep slope, and which side has the least steep slope

Identifying slope steepness

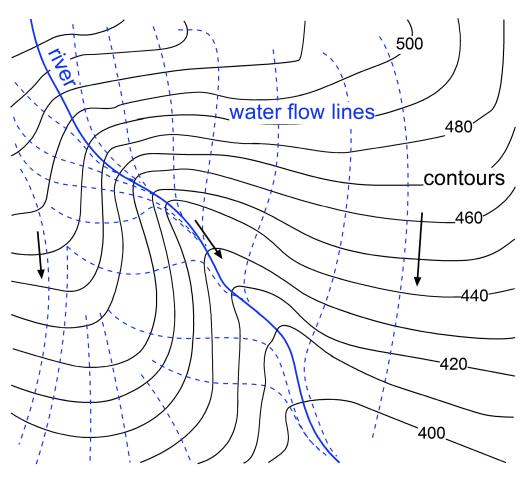


Activity: Contour This!

Match the numbered contour maps with its correct landscape profile



Direction of water flow



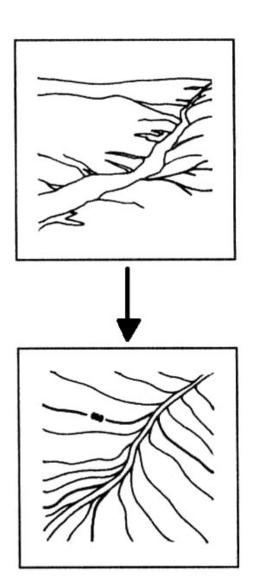
What do you observe about the contour lines regarding the flow of the water?

Water flows **perpendicular** to the contour lines

Rivers also flow downhill through the **concave** part of the contour

Contour this!

Which direction does the river flow?



- Where is the river?
- Which direction does the river flow?