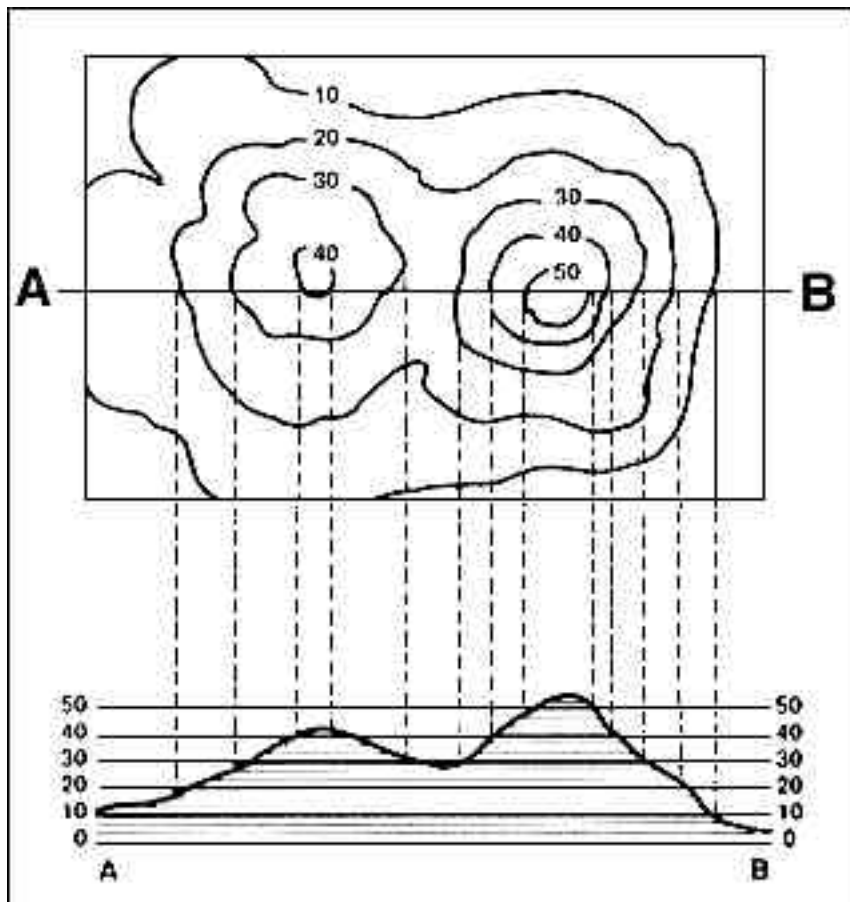


Activity Sheet 3

One special kind of map is called a topographic Map. It has contour lines to show the shape and elevation of the land. They are sometimes called "level lines"

because they show points that are at the same level. Here's how contour lines work:



The top of this drawing is a contour map showing the hills that are illustrated at the bottom.

On this map, the vertical distance between each contour line is 10 feet.

Which is higher, hill A or hill B? _____

Which is steeper, hill A or hill B? _____

How many feet of elevation are there between contour lines? _____

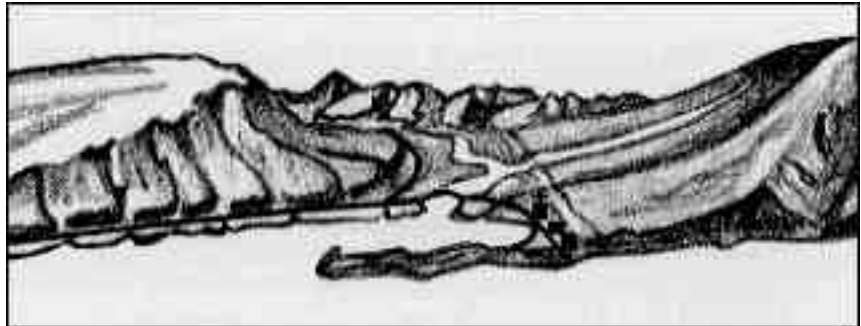
How high is hill A? _____ Hill B? _____

Are the contour lines closer together on hill A or hill B? _____

What Do Maps Show

USGS
<http://www.usgs.gov/education/>

Look at this picture. It shows a river valley and several nearby hills.



On the illustration, locate the following things:

- A church
- A bridge over the river
- An oceanside cliff
- A stream that flows into the main river
- A hill that rises steeply on one side and more smoothly on the other.

Here is a topographic map of the same place. Find the items you located on the illustration on the topographic map.



Circle the symbol for a church.

Draw a church symbol here.

Put a square around the map symbol for a bridge.

Draw a bridge symbol here.

Put an X on the oceanside cliff.

What is the elevation of the contour line at the top of that cliff? _____

Locate a stream that flows into the main river. Draw a pencil line down that stream. Put an X where the stream joins the main river. On a real topographic map, streams are shown in blue and contour lines are shown in brown.

Find the hill that rises steeply on one side and more smoothly on the other. On the topographic map, draw a path up the hill to the highest point that would be easy to climb. (Hint: remember that when contour lines are close together, the ground is very steep.) Draw a path showing a very steep way up the hill.

Tell how you might use a topographic map if you were selecting:

1. A route for a hike. _____

2. The best location for an airport. _____

3. A route for a new road. _____

Use the topographic map in your map packet to answer these questions:

What is the approximate elevation of the State Capitol? _____

Would you be walking uphill or downhill to go from the State Capitol to Pioneer Park? _____

Suppose you lived by Fremont School. Find at least three ways you could get from your house to the State capitol.

List things you would see along the way.
