

Date:

Name:

## Graded Assignment **Alternate Lab 1.06**

**Submit to the Dropbox by September 14 for full credit.**

**Step 1:** Answer all questions below **in complete sentences** as you watch the following Youtube video (Understanding Topographic Maps):

[https://www.youtube.com/watch?feature=player\\_detailpage&v=L1AWNR-Y0pQ](https://www.youtube.com/watch?feature=player_detailpage&v=L1AWNR-Y0pQ)

Most questions will be answered in the video; however, you may have to look up some in the lessons or online.

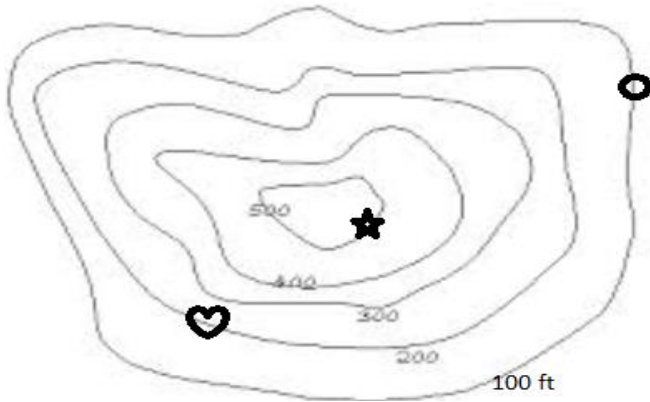
**Step 2:** Turn the lab into the Dropbox by September 14 for full points. Any work submitted after the midnight deadline will be counted for up to 70% of the points possible (30% off).

(Click the link for [Instructions to use Dropbox](#))

This alternate activity is a **VIRTUAL LAB!** That means you do **not** need to go gather the materials and conduct the lab at home. Just use the [video](#) to answer the questions!!

**Note:** If you get confused, please send your teacher a kmail asking for help - make sure to ask a *specific question* in your kmail so I can help you best!

1. What material is used in the video to represent the mountain?
2. What do topographical maps show? (1:20)
3. **CIRCLE ONE:** The peak is the (HIGHEST/LOWEST) location on a mountain.
4. In the video, was the person trying to keep the layers the same thickness or make the layers of varying (different) thicknesses? **Why would they do this?**
5. Every time we make a cut, it is an additional \_\_\_\_\_ feet from sea level.
6. If this activity were to be done in a different country, what units would be used to measure elevation instead of feet?
7. The lines on a map represent the \_\_\_\_\_ (4:19)
8. Each piece represents how many feet of elevation?
9. Define contour lines. (5:20)
10. Define **elevation**.



11. What is the approximate elevation at the peak of the mountain in the map above?  
**No naked numbers - Don't forget units!!**

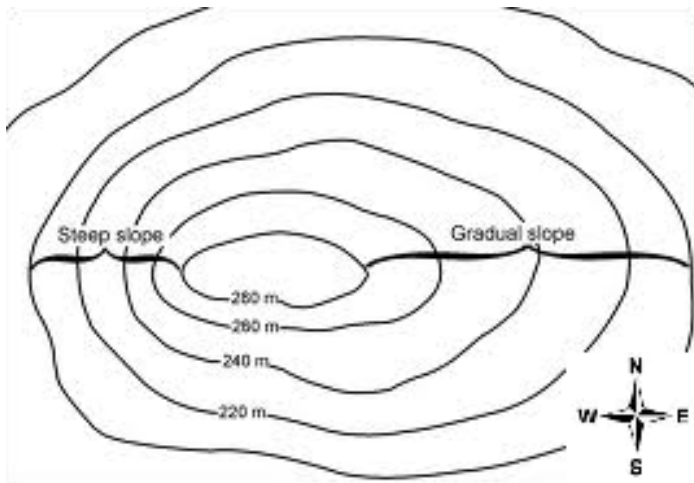
12. What is the elevation at each shape in the above map? (the first one is done for you)  
**No naked numbers - Don't forget units!!**

**Circle:** 100 feet

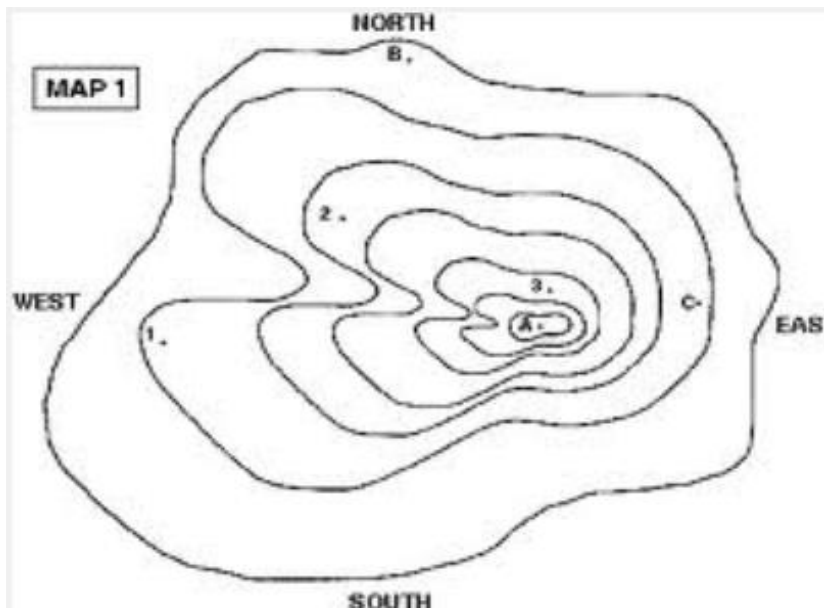
**Star:** \_\_\_\_\_

**Heart:** \_\_\_\_\_

13. When lines are closer together on a topographic map, does this show a **steep slope** or **gentle slope**?



14. If a road was built on the map (above), would the Department of Transportation choose to build it on the WEST or EAST side of the mountain? Why?



15. On the map above, put a box around an area with a **STEEP** slope and a circle around an area with a **GENTLE** slope.
16. **CIRCLE ONE:** Water runs off faster on the (STEEP/GENTLE) slopes.
17. In 3-5 complete sentences, describe the procedure shown in the video. Make sure you describe what the materials were and what the author was trying to model.
18. List at least two things you would like to change in the procedure to improve the accuracy of the model.

Grade: \_\_\_/35