

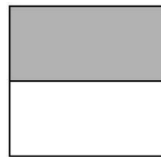
Lab 8 / Topographic Maps Assignment

TOPOGRAPHIC MAPS

QUESTIONS AND PROBLEMS - GENERAL TOPOGRAPHIC MAPS

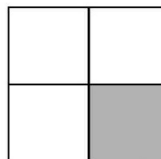
1. What kind of line distinguishes a topographic map from other two-dimensional maps (for example, a road map that you buy at a truck stop)?
2. How many square miles are in one standard U.S. township?
3. How many acres are in one standard U.S. township? Note - One square mile contains 640 acres.

4. How many acres are in the shaded areas in each example below? _____ Acres



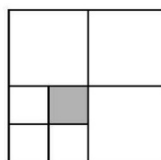
N1/2, sec 25

5. How many acres are in the shaded areas in each example below? _____ Acres



SW 1/4, sec 25

6. How many acres are in the shaded areas in each example below? _____ Acres



NE 1/4, SW 1/4, sec 25

QUESTIONS AND PROBLEMS - THE AUBURN QUADRANGLE

Using the Auburn, Alabama, quadrangle map, answer the following questions:

7. What latitude line marks the northern boundary of the Auburn quadrangle?
8. What latitude line marks the southern boundary of the Auburn quadrangle?
9. What longitude line marks the western boundary of the Auburn quadrangle?
10. What longitude line marks the eastern boundary of the Auburn quadrangle?
11. What is the distance (in degrees, minutes, and seconds) from the southern to the northern boundary of the Auburn quadrangle?
12. What is the magnetic declination (between true north and magnetic north) of the Auburn quadrangle?
13. In what year was the Auburn quadrangle originally published?

14. What is the fractional/ratio scale of the Auburn quadrangle?
15. How many feet on the ground does two inches on the Auburn quadrangle map represent?
16. Name of the quadrangle map directly adjacent to the south?
17. What color was used to indicate 'Water' features?
18. What color was used to indicate 'Vegetation (mainly woods or forest)' features?
19. What color was used to indicate 'Contour Lines' features?
20. What is the contour interval of the Auburn quadrangle?