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GEOL-1101-014

**TOPOGRAPHIC MAPS**

**Lab 6 Assignment**

[**Topographic Maps Assignment Sheet**Preview the document](https://auburn.instructure.com/courses/1317306/files/172397966/download?wrap=1)

**QUESTIONS AND PROBLEMS ON 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)?

* Contour lines

1. How many square miles are in one standard U.S. township?

* 36 miles

1. How many acres are in one standard U.S. township? Note - One square mile contains 640 acres.

* 23040 acres

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

* 320 acres

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

* 160 acres

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

* 40 acres

**QUESTIONS AND PROBLEMS - THE AUBURN QUADRANGLE (Scavenger Hunt)**

Using the Auburn, Alabama, quadrangle map that is provided by link above, answer the following questions.

1. What latitude line marks the northern boundary of the Auburn quadrangle?

* 32 37’ 30’’

1. What latitude line marks the southern boundary of the Auburn quadrangle?

* 32 30’ 00’’

1. What longitude line marks the western boundary of the Auburn quadrangle?

* 85 30’ 00’’

1. What longitude line marks the eastern boundary of the Auburn quadrangle?

* 85 22’ 30’’

1. What is the distance (in degrees, minutes, and seconds) from the southern to the northern boundary of the Auburn quadrangle?

* 0 07’ 30’’

1. What is the magnetic declination (between true north and magnetic north) of the Auburn quadrangle?

* 1/2

1. In what year was the Auburn quadrangle originally published?

* 1971

1. What is the fractional/ratio scale of the Auburn quadrangle?

* 1:24,000

1. How many feet on the ground does two inches on the Auburn quadrangle map represent?

* 4,000 feet

1. Name of the quadrangle map directly adjacent to the south?

* Society Hill

1. What color was used to indicate 'Water' features?

* Blue

1. What color was used to indicate 'Vegetation (mainly woods or forest)' features?

* Green

1. What color was used to indicate 'Contour lines' features?

* Brown

1. What is the contour interval of the Auburn quadrangle?

* 10

z