

## Mapping in the Cloud Scale Practice Exercises

1. Change the following to RF's and verbals: (2 pts each; 8 total)

7.2 inches : 1 mile      RF \_\_\_\_\_      1cm: \_\_\_\_\_ KM

3.2 cm : 7.3 KM      RF \_\_\_\_\_      1in : \_\_\_\_\_ miles

2. For the map below, measure the scale bar scale and compute the scale in the following ways (2 pts each; 6 total):

RF 1: \_\_\_\_\_

1 in: \_\_\_\_\_ miles

1 cm: \_\_\_\_\_ KM



3. On a map with a scale of 1:75,000, a soybean field measures 2.25 x 1.75 cm. What is the area of the soybean field? (2 pts each; 6 total)

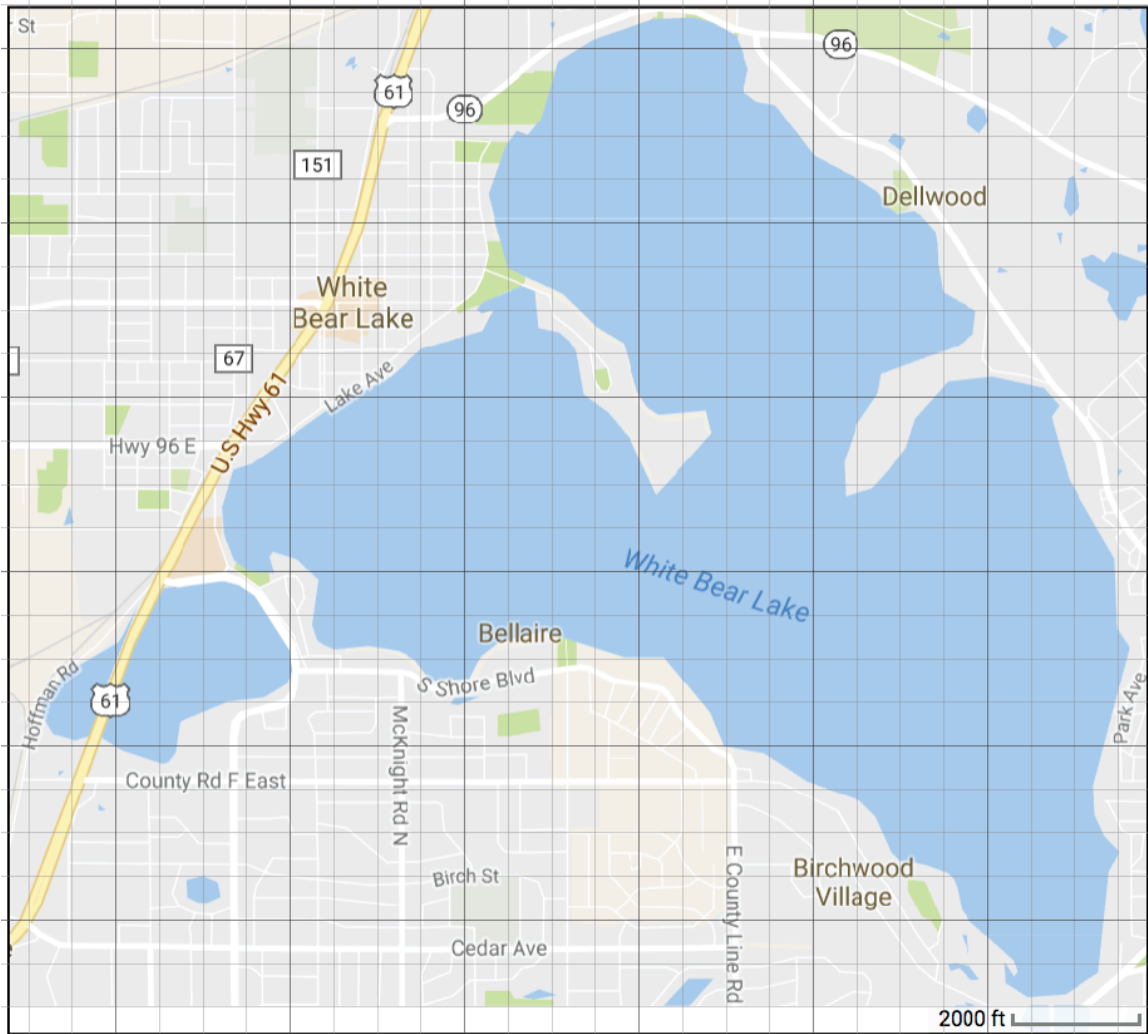
a) square miles:

b) acres:

c) square KM:



5) Determine the area of White Bear Lake with the overlaid grid. The procedure is to count all of the squares that fall totally within the area of interest, and then all of the partial grid squares. Divide the number of partial cells by two and add to the number of complete cells. Multiply this number times the area of each cell in sq. inches to determine the area of the lake on the map in sq. inches.



\_\_\_\_\_ sq. mi.      \_\_\_\_\_ acres      \_\_\_\_\_ sq. KM