Due Wednesday, January 27. Show your work. Simplify each answer. Draw a box around each answer.

1. The temperature outside one day is 15 ºF. What is the temperature in Celsius? The basic relationship is $F = 1.8C + 32$ where $F$ is the temperature in degrees Fahrenheit and $C$ is the temperature in degrees Celsius.

2. The population of a town increased from 60,450 to 195,610 in one decade. What was the percent change of the population in this time?

3. If 462 artists at a conference comprise 55% of all people at the conference, how many people are at the conference?

4. The original price of a certain television was $500. A store had a sale where all prices were marked down 10%. After a few weeks, the prices were raised 10% to the current price. What is the current price of the television?

5. (a) Write 395,000,000 in scientific notation.

   (b) Write 0.0000041 in scientific notation.

   (c) Write $2.35 \times 10^5$ in ordinary notation.