Question 1:

How many significant figures are in the following values?  
a. 4.02 x 10-9  
b. 0.008320  
c. 6 x 105  
d. 100.0

e. 1200.0  
f. 8.00  
g. 22.76 x 10-3  
h. 731.2204

Question 2:

1. Which value has more significant figures? 2.63 x 10-6 or 0.0000026?
2. Express 4,610,000 in scientific notation.
   1. with 1 significant figure
   2. with 2 significant figures
   3. with 3 significant figures
   4. with 5 significant figures
3. Express 0.0003711 in scientific notation.
   1. with 1 significant figure
   2. with 2 significant figures
   3. with 3 significant figures
   4. with 4 significant figures

Question 3:

1. Perform the calculation with the correct number of significant digits.  
   22.81 + 2.2457
2. Perform the calculation with the correct number of significant digits.  
   815.991 x 324.6
3. Perform the calculation with the correct number of significant digits.  
   3.2215 + 1.67 + 2.3
4. Perform the calculation with the correct number of significant digits.  
   8.442 - 8.429
5. Perform the calculation with the correct number of significant digits.  
   27/3.45