

Exam Part 1

You are required to copy each question and the number involved.

This is an open notes exam please take the time to review similar examples in your notes.

1. How many significant figures are in each of the following values?

- a. ____ 4.39
- b. ____ 4.3900
- c. ____ 0.004390
- d. ____ 4300
- e. ____ 4300.
- f. ____ 4.395×10^{15}

2. Perform the following calculations with respect to significant figures. Circle your answer
(Re-write the problem so that the decimals are on top of each other)

a.
$$\begin{array}{r} 25.667 \\ + 3.58 \end{array}$$

b.
$$\begin{array}{r} 135.6989 \\ - 1.11 \end{array}$$

4. Perform the following calculations with respect to significant figures. Circle your answer

a.
 $(4.1299 \times 10^{18}) (5.555 \times 10^5) =$

b.
$$\frac{(6.02 \times 10^{35})}{(1.2 \times 10^4)} =$$