Significant Figures Follow-up Practice

<u>Instructions</u>: Do the following calculations, remembering your rules for significant figures.

1.) $37.76 + 3.907 + 226.4 =$

2.) $319.15 - 32.614 =$

3.) $104.630 + 27.08362 + 0.61 =$

4.) $125 - 0.23 + 4.109 =$

5.) $2.02 \times 2.5 =$

6.) $600.0 / 5.2302 =$

7.) $0.0032 \times 273 =$

8.) $(5.5)^3 =$

9.) $0.556 \times (40 - 32.5) =$

10.) $45 \times 3.00 =$

11.) $3.00 \times 10^5 - 1.5 \times 10^2 =$ (Give the exact numerical result, then, express it with the correct number of significant figures).

12.) What is the average of 0.1707, 0.1713, 0.1720, 0.1704, and 0.1715?