Math 099 - Assignment 8

October 22, 2018

Name __key__

Score _____

Show all work to receive full credit. Supply explanations when necessary. This assignment is worth 5 points.

1. Write each number as a percent.

   (a) 0.025

   2.5%

   (b) 4/5

   $$\frac{4}{5} = 0.8 = \boxed{80\%}$$

2. What is 15.5% of 85.2?

   $0.155 \times 85.2 = \boxed{13.206}$

3. What percent of $95 is $10?

   $$95x = 10 \Rightarrow x = \frac{10}{95} \approx 0.105 = \boxed{10.5\%}$$

4. 9% of what is $16?

   $$0.09x = 16 \Rightarrow x = \frac{16}{0.09} \approx 177.^{78} \qquad \boxed{\$177.^{78}}$$

5. The advertised price of a printer is $299.95. The local sales tax rate is 6.75%. What is the total cost?

   $TAX = 0.0675 \times 299.^{95} \approx 20.^{25}$

   $TOTAL\ COST = 299.^{95} + 20.^{25}$

   $= \boxed{\$320.^{20}}$