

Math 099 - Assignment 7

March 26, 2019

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.

$$(a) 0.025 = 0.025 \times 100\% = \boxed{2.5\%}$$

$$(b) 4/5 = 0.8 = 0.8 \times 100\% = \boxed{80\%}$$

2. What is 15.5% of 85.2?

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

3. What percent of \$95 is \$10?

$$\square \times 95 = 10 \Rightarrow \square = \frac{10}{95} \approx 0.1053$$
$$\boxed{10.53\%}$$

4. 9% of what is \$16?

$$9\% \times \square = 16 \Rightarrow 0.09 \times \square = 16$$
$$\square = \frac{16}{0.09} \approx \boxed{177.78}$$

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

$$TAX = 0.0675 \times 299.95 = 20.25$$

$$TOTAL\ COST = 299.95 + 20.25 = \boxed{320.20}$$