

Math 099 - Quiz 6

April 2, 2019

Name key

Score _____

Show all work to receive full credit. Supply explanations when necessary.

1. (1 point) Write 4.125% in decimal form.

$$\frac{4.125}{100} = 0.04125$$

2. (1 point) Write 1.25 in percent form.

$$1.25 \times 100\% = 125\%$$

3. (2 points) What is 12% of 115?

$$12\% \times 115 = 0.12 \times 115 = 13.8$$

4. (2 points) What percent of \$80 is \$5?

$$\square \times 80 = 5$$

$$\frac{5}{80} = 0.0625 = 6.25\%$$

5. (2 points) 11% of what is \$23?

$$0.11 \times \square = 23$$

$$\frac{23}{0.11} \approx 209.09$$

6. (2 points) The advertised price of TI-84 graphing calculator is \$124.95. The sales tax rate is 9%. What is the total cost of the calculator?

$$9\% \text{ of } 124.95 = 0.09 \times 124.95 \approx 11.25$$

$$124.95 + 11.25 = 136.20$$