

Name: _____

This quiz covers: 4.2 and 4.3.

Directions: Complete all question and **show all applicable work.** Partial credit will be given. All questions are equally weighted.

1.) How much interest is charged on a \$25,000, 10-year loan using a continuously compounding 6% interest rate?

2.) Solve for x :

$$\log_5(x - 2) = 3$$

3.) Sketch a graph of $f(x) = \log_2(x - 1)$.