Quiz #3

Directions: Carefully read each question below and answer to the best of your ability in the space provided. You **MUST** show your work to receive full credit!

1. (5 points) When $\log y$ is graphed as a function of x, a straight line results. Determine the functional relationship between x and y.

 $(x_1, y_1) = (1, 1)$ and $(x_2, y_2) = (7, 5)$.

2. (5 points) Consider the relationship $y = 5 \times 3^{-x/6}$ between the quantities x and y. Use a logarithmic transformation to find a linear relationship of the form Y = mx + b between the given quantities.

Name: _____

Section (circle one): 003 004

Question:	1	2	Total
Points:	5	5	10
Score:			