

## Quiz

**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) Find the derivative of the following function:

$$f(x) = \ln(4x^3 + 9x - 7)$$

2. (5 points) Suppose \$6,000 is invested at an annual interest rate of 6% compounded continuously. How long will it take for the original investment to double in value (i.e. \$12,000)?

Name: \_\_\_\_\_

Section (circle one):            021            022            023            024

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