

## Quiz #4

**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! Your answer to problem # 2 should be written in a clear and concise manner using a combination of complete sentences and symbolic expressions. An answer without explanation or that is poorly presented may not receive full credit.

1. (1 point) Find the derivative of  $(x^3 + 1)e^x$ .
  - A.  $(x^3 + 3x^2 + 1)e^x$
  - B.  $3xe^x$
  - C.  $(3x^2 + 1)e^x$
  - D.  $3x^2 + e^x$
  - E. None of the above
2. (2 points) Find the value of  $f'(-2)$  for the function  $f(x) = 2x^3 - x + 7$ .

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

Question:	1	2	Total
Points:	1	2	3
Score:			