

Name: _____

Date: _____

Determine each of the following derivatives:

1. $\frac{d}{dx}(-10x^{11} + 7x^8 + 18e^x)$

2. $\frac{d}{dx}87$

3. Determine $f''(5)$ given $f(x) = 7x^4 - 8x^2 + 3x$

4. Determine $\frac{d^3y}{dx^3}$ given $y = 4x^3 - 9x^2 + 701x + 1182$