

Name: _____

Student Number: _____

1. Find the derivative of the following functions.

a) $f(x) = x^4 + 3x^2 - 5x + 6$

$$f'(x) =$$

$$f''(x) =$$

$$f'''(x) =$$

b) $f(x) = e^x + 4x^3 - \sqrt{x}$

$$f'(x) =$$

$$f''(x) =$$