Quiz Score:

Find the derivative of the the following functions. Do not simplify your answers. (2 points each)

1.
$$f(x) = 5x^8 + 3x^4 - 2x^2 + 4$$

2.
$$f(x) = 5x^{\frac{1}{5}} + 3x^{0.2} + \frac{1}{3}$$

3.
$$f(x) = 2\sqrt{x} + \frac{1}{2\sqrt[5]{x^2}}$$

4.
$$f(x) = 3\cos(x) - 5\sin(x)$$

5.
$$f(x) = x^2 \cos(x)$$