Name		
Name	<del></del>	

Use the power, product, quotient, and chain rules to find the derivative of the following functions. Simplify you answers!

$$f(x) = \sqrt{x}$$

$$f(x) = \frac{1}{5\sqrt{x}}$$

$$f(x) = -\frac{x}{3}$$

$$f(x) = \frac{2}{x+1}$$

$$f(x) = \frac{2}{3x^4}$$

$$f(x) = \frac{4x^3}{5}$$

7) 
$$f(x) = 2\sqrt{x^2 - 3}$$

$$f(x) = \left(\frac{8x^2 - 3}{x}\right)^4$$

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