

Name: _____

1. Suppose $f(x) = e^x \sqrt{x}$.

(a) $f'(x) =$

(b) Find the equation of the tangent line to the graph of $f(x)$ at the point $(1, f(1))$.

2. $\frac{d}{dx} \left[\frac{x^2 + 3x - 4}{x + \sqrt{5}} \right] =$

Name: _____

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

(a) $f'(x) =$

(b) Find the equation of the tangent line to the graph of $f(x)$ at the point $(4, f(4))$.

2. $\frac{d}{dx} \left[\frac{x^2 + x}{x + 5} \right] =$