

Name: _____ Score: _____

1. Find the derivative of the function

$$f(x) = (\sqrt{x} + 3x) \left(5x^2 - \frac{3}{x} \right)$$

2. Find an equation of the tangent line to $y = \sqrt{x^2 + 16}$ at $x = 3$.

—— **Good luck!** ——