Name: _____

1. Use a limit definition of the derivative to find the derivative of the function $f(x) = \dfrac{1}{x}$.

1. Use a limit definition of the derivative to find the derivative of the function $f(x) = 5 - 3x^2$.

1. Use a limit definition of the derivative to find the derivative of the function $f(x) = 5x^2 - 2$.

1. Use a limit definition of the derivative to find the derivative of the function $f(x) = \sqrt{x}$.