

## Simple Derivatives

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find the derivative of each function with respect to x.**

1)  $f(x) = 5x^2 + 1$

2)  $f(x) = 3x + 1$

3)  $f(x) = 4x^2 - 3$

4)  $f(x) = 5x^2 - 5$

5)  $f(x) = 2x + 1$

6)  $f(x) = x^2 + 5$

7)  $y = -2x^2 + 5$

8)  $y = x^2 + 4x - 3$

9)  $y = 5x^2 + 4x + 2$

10)  $y = 3x + 4$

11)  $y = 2x + 3$

12)  $y = 4x^2 - 5x + 1$