

ICM Worksheet  
Chain Rule

7.6 Exercises

Name: \_\_\_\_\_

Find the derivative of each of the following. Show all necessary work. **Simplify!!**

1.  $y = (4x + 5)^6$

2.  $y = 3(5x + 5)^3$

3.  $y = \frac{7}{(2x + 7)^2}$

4.  $y = \frac{-5}{(3x^2 - 4)^6}$

5.  $y = \sqrt[3]{4x - 1}$

6.  $y = \frac{4}{\sqrt{x - 5}}$