

Derivative Skills Test Sample

Math 251

Name _____

Find the derivative with respect to x .

1. $y = \frac{-4x^6}{5}$ 1. _____

2. $y = 3x^4 e^{2x}$ 2. _____

3. $y = 8\ln(x-9)$ 3. _____

4. $y = 6 \tan(2x)$ 4. _____

5. $y = x^5 - 3x^7$ 5. _____

6. $y = 3x^{3/4}$ 6. _____

7. $y = \sqrt{9-5x}$ 7. _____

8. $y = 4\sin(7x)$ 8. _____

9. $y = 11x^4 - x^6 + 3x$ 9. _____

10. $y = \frac{x^9}{5x-3}$ 10. _____