

Name \_\_\_\_\_ Date \_\_\_\_\_ Block \_\_\_\_\_

### Find Someone Who: Derivatives

**Find a different classmate to find each of the following derivatives:**

Once your classmate completed the problem, make sure he or she **BOX the answer and initial the signature box**. Make sure to check over your classmate's work before and that you agree with the answer **before** submitting your paper.

1.  $y = 3x^3 - 6x + 1$

2.  $y = 4x^9 - 2x^2 + 8x$

3.  $y = \frac{x^3}{4} + \frac{x^2}{3}$

4.  $y = \frac{2}{x^4} + \frac{8}{x^2}$

5.  $y = (2x + 7)(x^3 - 4)$

6.  $y = (x^4 - 3x)(x^2 + x)$

7.  $y = \frac{4x^2-9}{8x+10}$

8.  $y = \frac{5x^4+2x}{x^3-7}$

9. Find  $y'''(7)$ .  
 $y = x^5 - 2x^4 + 3x^2$

10. Find  $\frac{d^2P}{dt^2}$ .  
 $P = t^3 - 9t^2 + t - 1 - \frac{1}{t}$