

Quiz

Name: _____

Find the following derivatives:

1. $y = 5x^4 - 8x^2 + 2x - 1$

$y' =$

2. $A = \sqrt{2r^3}$
 $\frac{dA}{dr} =$

3. $P(\theta) = 3 \tan(\theta)$
 $P'(\theta) =$

4. What is the microscope equation for $h(t) = \sin(t)$ at $t = \pi/6$.

5. If $f(2) = -3$ and $f'(2) = 3/2$ then give an estimate for $f(1.8)$.