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AP Calculus AB Test Booklet

Quiz 3.2 Name

- 1. If $3x^2 + 5x^2y^2 = 2y$, then $\frac{dy}{dx} =$

- $\frac{2-6x-10xy^2}{10x^2y}$
- 2. If $y = \ln(2x^2 3y^2)$, then $\frac{dy}{dx} =$

- $\bigcirc \qquad \frac{4x-6y}{2x^2-3y^2}$
- $\begin{array}{c}
 \hline
 D & \frac{4x}{2x^2 3y^2 + 6y}
 \end{array}$
- 3. If $e^{2y} e^{(y^2 y)} = x^4 x^2$, then the value of $\frac{dy}{dx}$ at the point (1,0) is
- \bigcirc 0
- \bigcirc B $\frac{1}{2}$
- $\binom{2}{3}$
- (D) 2