

Name : _____

Score : _____

Teacher : _____

Date : _____

Derivatives

1) $y = -\frac{5}{2}x^5 + 2x^2$

Find $\frac{d^2y}{dx^2}$

2) $y = \frac{5}{2}x^5 + 2x^3$

Find $\frac{d^2y}{dx^2}$

3) $y = -5x^3 + 3x^2$

Find $\frac{d^2y}{dx^2}$

4) $y = 6x^5 + 4x^4$

Find $\frac{d^2y}{dx^2}$

5) $y = \frac{2}{3}x^5 + \frac{5}{2}x^4$

Find $\frac{d^2y}{dx^2}$

6) $y = 6x^6 + x^5$

Find $\frac{d^2y}{dx^2}$

7) $y = \frac{1}{2}x^4 + 3x^3$

Find $\frac{d^2y}{dx^2}$

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

Find $\frac{d^2y}{dx^2}$

9) $y = \frac{4}{3}x^4 + \frac{5}{2}x^2$

Find $\frac{d^2y}{dx^2}$

10) $y = \frac{2}{3}x^5 + 5x^4$

Find $\frac{d^2y}{dx^2}$



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Derivatives

1) $y = -\frac{5}{2}x^5 + 2x^2$

$-50x^3 + 4$

Find $\frac{d^2y}{dx^2}$

2) $y = \frac{5}{2}x^5 + 2x^3$

$50x^3 + 12x$

Find $\frac{d^2y}{dx^2}$

3) $y = -5x^3 + 3x^2$

$-30x + 6$

Find $\frac{d^2y}{dx^2}$

4) $y = 6x^5 + 4x^4$

$120x^3 + 48x^2$

Find $\frac{d^2y}{dx^2}$

5) $y = \frac{2}{3}x^5 + \frac{5}{2}x^4$

$\frac{40}{3}x^3 + 30x^2$

Find $\frac{d^2y}{dx^2}$

6) $y = 6x^6 + x^5$

$180x^4 + 20x^3$

Find $\frac{d^2y}{dx^2}$

7) $y = \frac{1}{2}x^4 + 3x^3$

$6x^2 + 18x$

Find $\frac{d^2y}{dx^2}$

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

$8x + \frac{4}{3}$

Find $\frac{d^2y}{dx^2}$

9) $y = \frac{4}{3}x^4 + \frac{5}{2}x^2$

$16x^2 + 5$

Find $\frac{d^2y}{dx^2}$

10) $y = \frac{2}{3}x^5 + 5x^4$

$\frac{40}{3}x^3 + 60x^2$

Find $\frac{d^2y}{dx^2}$

