Sunday, May 22, 2022 9:22 AM

$$y = f(x)$$

$$\dot{y} = \frac{dy}{dx} = \frac{df}{dx} = f(x)$$

$$\int_{a}^{b} = \frac{d^{2}x}{dx^{2}} = \frac{d^{2}x}{dx^{2}} = f(x)$$

$$y = f(x)$$

$$y = f(x) = y \text{ super } y$$

$$y = f(x)$$

Find
$$y''$$
 if $y = x^5 - 2x^7 + 3x^3 + 8$
 $y'' = 5x - 8x^2 + 9x^2 + 0$
 $y'' = 20x^2 - 24x^2 + 18x$
 $y'' = 60x^2 - 48x + 18$
 $y'' = 60x^2 - 48x$

$$f(x) = 48 \times -18$$

$$f(x) = 48$$

$$f(x) = 6x + 35$$

$$f(x) = 6x +$$

$$\frac{1}{2} = \frac{3}{4} (3) (3 \times 1)^{\frac{3}{2}}$$

$$= \frac{3}{4} (3) (3 \times 1)^{\frac{3}{2}}$$

$$y'' = -\frac{9}{4} = \frac{1}{(3 \times 1)^{\frac{3}{2}}}$$

$$y'' = -\frac{9}{4} = \frac{1}{\sqrt{(3 \times 1)^{\frac{3}{2}}}}$$

$$= -\frac{9}{4} = \frac{1}{\sqrt{3}}$$

$$= -\frac{9}{4} = \frac{1}{\sqrt{3}$$

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Find P It
$$Y = q^{3}$$

$$P = q^{3} + q^{2} - 2q$$

$$P = -3q^{4} + \frac{3}{2}q^{2} - 6q^{2}$$

$$P = -3q^{4} + \frac{3}{2}(\frac{1}{2})q^{2} - 12q$$

$$P = -12q^{5} + \frac{3}{2}(\frac{1}{2})q^{2} - 12q$$

$$P = -60q^{6} + \frac{3}{4}(-\frac{1}{2})q - 12$$

$$P = -60q^{6} - \frac{3}{8}q^{2} - 12$$