

Joshua Ojasiw Asare 2111739

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$$= -10 \frac{20x+6}{(2x-1)^3}$$

$$= \frac{2(10x+3)}{(2x-1)^3}$$

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

$$\frac{dy}{dx} = -x^{-2} - 2\sin 2x$$

$$\frac{d^2y}{dx^2} = 2x^{-3} - 4\cos 2x$$

$$\frac{d^3y}{dx^3} = -6x^{-4} + 8\sin 2x$$

$$\frac{d^4y}{dx^4} = 49x^{-5} + 16\cos 2x$$

$$\frac{d^5y}{dx^5} = -120x^{-6} - 32\sin 2x$$

$$= \frac{-120 - 32\sin 2x}{x^6}$$