

Fix = 
$$\int \sin(t) dt$$
, F'(x) =  $\sin(x)$ 

$$F(x) = \int_{-2}^{2} 3t^{2} - t + 4 dt$$
, F'(x) =  $3x^{2} - x + 4$ 

$$F(x) = \int_{-2}^{2} e^{2t} - 4t^{2} dt = -\int_{-2}^{2} e^{2t} - 4t^{2} dt$$

$$= 4x^{2} - e^{2x}$$

$$F(x) = \int_{0}^{2} \cos(t) dt$$
, F'(x) =  $\cos(x^{2}) \cdot 2x$ 

$$= 2x \cos(x^{2})$$

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$$= 4x^{3} \cdot \sec(x^{4})$$

$$+, - \int_{-2}^{2} \cos(t) dt$$

$$+ \int_{-2}^{2} \cos(t)$$