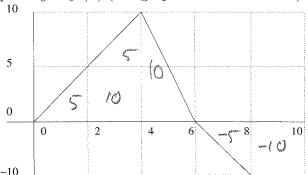
You must show your work to get full credit.

1. The following is the graph of y = f'(x) (the graph of the derivative).



each yex = 10

If f(0) = 5 complete the following table +5 +5 +6 -5

x	0	2	4	6	8	10
f(x)	5	10	25	35	30	20

2. Compute the following without using your calculator (show work). Here c is a constant.

$$2 \chi^{3} \sqrt{2} = 2 \cdot 2^{3} - 2 \cdot 0^{3} = 16$$

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$$\int_{0}^{2} 6t^{2} dt = 1/6$$

$$\int_{1}^{3} e^{x} dx = 1/5 = 1$$

$$\int_{1}^{3} e^{-2x} dx = \frac{1}{2} = \frac{1}{$$

3. Find the following antiderivatives.

$$\int (2x^3 + 5x^2 + 3x - 2) dx = \frac{1}{2} \int \frac{t^4 + 5x^3 + 2x^2}{3} \int \frac{2}{x^3} dx = \frac{1}{2} \int \frac{12}{x^3} dx = \frac{1}{2} \int \frac{1}{x} dx = \frac{1}{2} \int \frac{1}{x} dx = \frac{1}{2} \int \frac{1}{x^4} dt = \frac{1}{2} \int \frac{1}{x$$