

	Navn:		Skole:	
	Klasse: 20		Dato: 4. april 2023	Fag: Matematik A

Opgave 002

fea

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$$f(x) = 2x + 4e^x - 3\sin x$$

$$F(x) = \int f(x) dx$$

$$F(x) = \int 2x + 4e^x - 3\sin x$$

$$F(x) = \frac{2}{2}x^2 + 4e^x + 3\cos x + k$$

$$5 = \frac{2}{2}0^2 + 4e^0 + 3\cos 0 + k$$

$$5 = 0 + 4 + 3 + k$$

$$5 = 7 + k$$

$$5 - 7 = k$$

$$-2 = k$$