

Quiz Warm-up

Chapter 4 [2010]

$$\int_1^{13} f'(x) dx$$

$$\int x^2(\sqrt{x} + 2) dx$$

$$\int_1^x \cos t dt$$

$$\frac{d}{dx} \int_1^x \cos t dt$$

$$\int \frac{1}{x^3} dx$$

If $G(x) = \int_3^x g(t) dt$, then $G'(x) = ?$

What is $G(3)$?

Chocolate syrup is leaking out of a fountain at a rate of $C(t) = t^2 - \sin t$ in quarts per hour. [Oh NO!]
Approximately how much chocolate syrup has leaked out of the fountain from time $t = 0$ to $t = 24$ hours.
[calculator problem]

Sephra Chocolate Fountain

