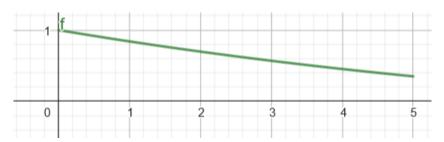
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Klasse: 20		Dato: 10. februar 2023	Fag: Matematik A

## Opgave 412



$$Define: f(x) = \frac{\sin \sqrt{x}}{\sqrt{x}}$$

$$A = \int_{1}^{4} \frac{\sin\sqrt{x}}{\sqrt{x}} dx$$
$$A = 1.91$$

$$L = \int_{1}^{4} \sqrt{1 + f'(x)^{2}} \, dx$$
$$L = 3.03$$