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

Opgave 412



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

$$A = \int_1^4 \frac{\sin \sqrt{x}}{\sqrt{x}} dx$$

$$A = 1.91$$

$$L = \int_1^4 \sqrt{1 + f'(x)^2} dx$$

$$L = 3.03$$