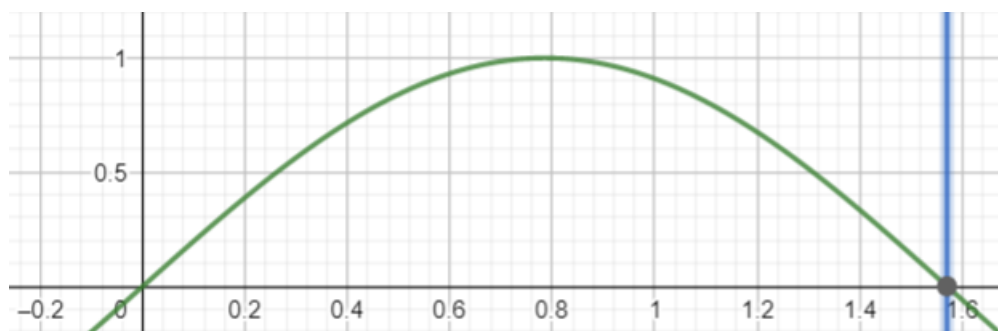


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### Opgave 371



$$f(x) = \sin(2x)$$

$$F(x) = \int \sin 2x \, dx$$

$$\text{Define: } F(x) = -\frac{1}{2} \cos 2x$$

$$A = [F(x)]_0^{\frac{\pi}{2}}$$

$$A = F\left(\frac{\pi}{2}\right) - F(0)$$

$$A = 1$$