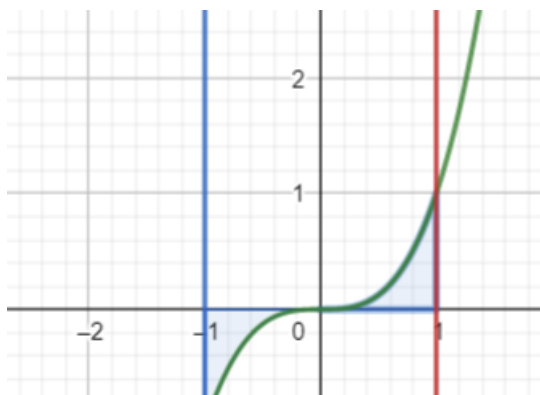


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Find skæring med x akse

$$f(x) = x^3$$

$$f(x) = 0$$

$$x^3 = 0$$

$$x = \sqrt[3]{0}$$

$$x_0 = 0$$

$$\int x^3 dx$$

$$\text{Define: } F(x) = \frac{1}{4}x^4$$

$$A_1 = F(0) - F(-1) = -0,25$$

$$A_2 = F(1) - F(0) = 0,25$$

$$A = |A_1| + A_2$$

$$A = 0.5$$