

(a)

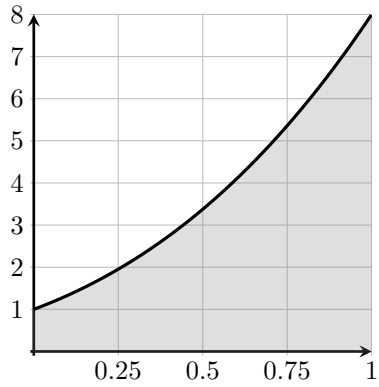
$$\int_0^1 (x+1)(x-1) dx$$

(b)

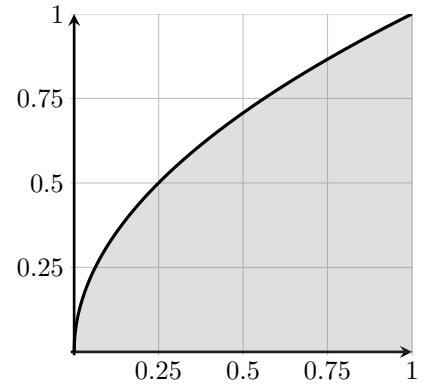
$$\int_0^1 x - 8x^3 dx$$

(c)

$$\int_0^1 \frac{x^3 - x}{x+1} dx$$



$$\frac{1}{2}$$



(d)

$$\int_0^1 e^{x+1} dx$$

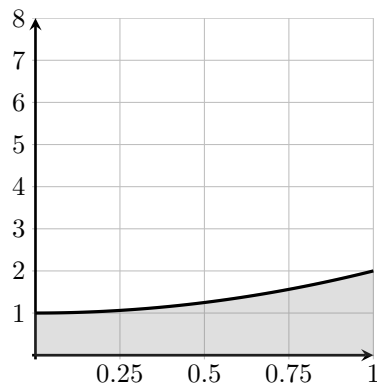
(e)

$$\int_0^1 2x^3 dx$$

(f)

$$\int_0^1 x^2 + 1 dx$$

$$-\frac{1}{6}$$



$$\frac{1}{3}$$

(g)

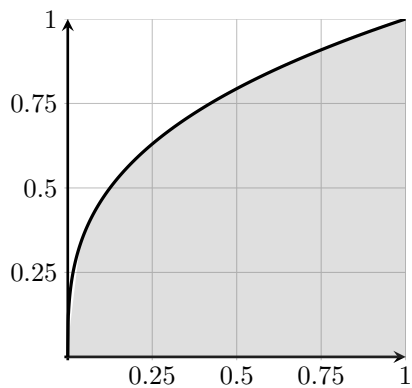
$$\int_0^1 x^2 dx$$

(h)

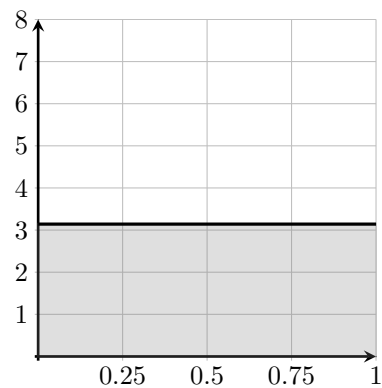
$$\int_0^1 \sqrt[3]{x} dx$$

(i)

$$\int_0^1 \sqrt{x} dx$$



$$\frac{7}{3}$$



(j)

$$\int_0^1 \pi dx$$

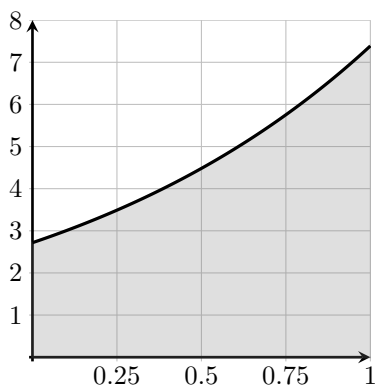
(k)

$$\int_0^1 (x+1)^2 dx$$

(l)

$$\int_0^1 (x+1)^3 dx$$

$$-\frac{2}{3}$$



$$-\frac{3}{2}$$