a)

$$\int x^2 \, dx = \frac{1}{3}x^3 + C$$

$$\frac{1}{3}x^3 \Big|_0^2 = \frac{1}{3}2^3 - \frac{1}{3}0^2 = \boxed{\frac{8}{3}}$$

b)

$$\int \frac{1}{x} \, dx = \ln|x| + C$$

$$\ln|x| \Big|_1^e = \ln e - \ln 1 = \boxed{1}$$

c)

$$\int \sin x \, dx = -\cos x + C$$

$$-\cos x \Big|_{-\frac{\pi}{4}}^0 = -\cos 0 + \cos\left(-\frac{\pi}{4}\right) = \boxed{-0.293}$$