

W każdym z poniższych 21 zadań podaj w postaci uproszczonej wartość całki oznaczonej. **Wskazówka:** W niektórych zadaniach lepiej nie całkować bezpośrednio, tylko narysować odpowiednią figurę i obliczyć jej pole.

$$172. \int_{2017}^{2020} 7 dx = 21$$

$$173. \int_0^3 x^2 dx = 9$$

$$174. \int_0^2 x^3 dx = 4$$

$$175. \int_0^1 x^{10} dx = 1/11$$

$$176. \int_1^4 \sqrt{x} dx = 14/3$$

$$177. \int_1^{27} \sqrt[3]{x} dx = 60$$

$$178. \int_{-2}^{10} |x| dx = 52$$

$$179. \int_1^3 \frac{dx}{x} = \ln 3$$

$$180. \int_1^3 \frac{dx}{x+1} = \ln 2$$

$$181. \int_1^7 \frac{dx}{x+2} = \ln 3$$

$$182. \int_0^1 \frac{dx}{x^2+1} = \frac{\pi}{4}$$

$$183. \int_0^{\sqrt{3}} \frac{dx}{x^2+1} = \frac{\pi}{3}$$

$$184. \int_1^{\sqrt{3}} \frac{dx}{x^2+1} = \frac{\pi}{12}$$

$$185. \int_0^{1/\sqrt{3}} \frac{dx}{x^2+1} = \frac{\pi}{6}$$

$$186. \int_{1/\sqrt{3}}^1 \frac{dx}{x^2+1} = \frac{\pi}{12}$$

$$187. \int_{-1}^1 \sqrt{1-x^2} dx = \frac{\pi}{2}$$

$$188. \int_0^1 \sqrt{1-x^2} dx = \frac{\pi}{4}$$

$$189. \int_{-1}^0 \sqrt{1-x^2} dx = \frac{\pi}{4}$$

$$190. \int_{-2}^2 \sqrt{4-x^2} dx = 2\pi$$

$$191. \int_0^2 \sqrt{4-x^2} dx = \pi$$

$$192. \int_{-\sqrt{2}}^{\sqrt{2}} \sqrt{2-x^2} dx = \pi$$