1.25.
$$\int (\sqrt[5]{x} - \frac{4}{x^{5}} + 2) dx = \int x^{\frac{1}{3}} dx - y \int x^{-5} dx + \int 2 dx = \frac{1}{5} + \frac{1}{5} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + 2x + C = \frac{5}{6} \times \frac{6}{5} + \frac{1}{4} + \frac{1}{4} + 2x + C$$
2.25.
$$\int \sqrt[3]{2-5} x dx = \begin{vmatrix} 2-5x = t \\ -5 dx = dt \end{vmatrix} = \int \sqrt[4]{t} \cdot \left(-\frac{dt}{5}\right) = \frac{1}{5} \int \frac{1}{4} dt = -\frac{1}{5} \int \frac{1}{4} dt = -\frac{1}{5} \int \frac{1}{4} dt = -\frac{1}{3} \int \frac{1}{4}$$

9.25
$$\int \frac{dx}{\sin^{2}x \cdot \sqrt{\log^{2}x}} = -\int \frac{d(\log x)}{\sqrt{x}} = -\int \frac{dx}{\sqrt{x}} = -\int \frac{x}{\sqrt{x}} dx = \frac{1}{\sqrt{x}} = -\int \frac{x}{\sqrt{x}} dx = -\int \frac{x}{\sqrt{x}} = -\int \frac{x}{\sqrt{x}}$$

14. 25,
$$y = (x-1)^{2}$$
, $x = 3$, $y = 0$

19: $y = 4$ as $y = 0$
 $V = \pi \int_{t_{1}}^{t_{2}} xy \, dt = \pi \int_{t_{1}}^{3} 3(x-t)^{2} dx = \pi \cdot \frac{(x-t)^{3}}{3} \Big|_{t_{1}}^{3} = \frac{\pi \cdot 2^{3}}{3} - 0 = \frac{8\pi}{3}$
 $= \frac{8\pi}{3}$ kul. Arbik

15. 26. a) $\int_{0}^{\infty} x^{3} e^{-x^{2}} dx = \int_{0}^{\pi} \Big|_{3x^{2}}^{3} dx = dy = \frac{e^{-x^{2}}}{4x} e^{-x^{2}} \Big|_{x_{1}}^{2} = \frac{1}{4x} e^{-x^{2}} \Big|_{x$