$$\int \sqrt{3} \times dx = \int \sqrt{3} \cdot \sqrt{x} dx = \sqrt{3} \cdot \int \sqrt{x} dx =$$

$$= \sqrt{3} / \times^{1/2} dx = \sqrt{3} \cdot \frac{x^{3/2}}{3/2} + 4 = \frac{2}{3} \cdot \sqrt{3} \cdot x^{3/2} + 4$$