

$$\left(\frac{5}{6}\right)^2 + \left(\frac{x}{a}\right)^2 = 1$$

$$5 = 6\sqrt{1 - (x/a)^2}$$

Lilens area =
$$A(x) = \frac{h \cdot 2y}{2} = \frac{h \cdot 2b\sqrt{1-(2a)^2}}{2}$$

$$kiling area = A(x) = \frac{h \cdot 2y}{2} = \frac{h \cdot 2b\sqrt{1-(\frac{1}{a})^2}}{2}$$

$$V = \int_{-a}^{a} \frac{h \cdot 2y}{2} dy = \int_{-a}^{a} \frac{h \cdot 2b\sqrt{1-(\frac{1}{a})^2}}{2} dx = hb \int_{-a}^{a} \sqrt{1-(\frac{1}{a})^2} dx = \frac{1}{a} = \frac{1}{a} = \frac{1}{a}$$

$$= \int_{-a}^{a} \frac{h \cdot 2y}{2} dy = \int_{-a}^{a} \frac{h \cdot 2b\sqrt{1-(\frac{1}{a})^2}}{2} dx = hb \int_{-a}^{a} \sqrt{1-(\frac{1}{a})^2} dx = \frac{1}{a} = \frac$$

$$V = \int \frac{h \cdot L \cdot J}{2} \, dy = \int \frac{h \cdot bov}{2} \, dx = hb \int V - (v_{A}) \, dx = a \, dt$$

$$= hb \cdot a \int \sqrt{1 - +^{2}} \, dt = \int \frac{1 + cos 2t}{1 + cos 2t} \, dt = abh \int cos^{2}u \, du = abh \int \frac{1 + cos 2t}{2} \, du = abh \int \frac{1 +$$