

~11.

$$\int_0^{2a} \frac{\sqrt{2a}}{\sqrt{x}} dx = \lim_{t \rightarrow 0^+} \int_t^{2a} \frac{\sqrt{2a}}{\sqrt{x}} dx = 2\sqrt{2a} \lim_{t \rightarrow 0^+} \sqrt{x} \Big|_t^{2a} = 2\sqrt{2a} \cdot \sqrt{2a} = 4a$$

Orbes:  $4a$ .