

$$967. a) a = 3\sqrt{2}$$

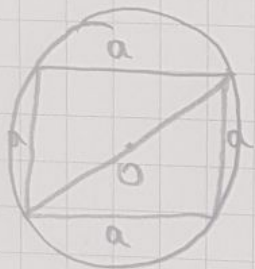
$$O = 2r\pi$$

$$2r = d$$

$$d = a\sqrt{2}$$

$$d = 3\sqrt{2} \cdot \sqrt{2} = 6 \text{ cm}$$

$$O = 6\pi = 6 \cdot 3,14 = 18,84 \text{ cm}$$



$$v) O = ?$$

$$P = 32 \text{ cm}^2$$

$$P = a^2$$

$$a = \sqrt{32} = 4\sqrt{2} \text{ cm}$$

$$d = a\sqrt{2} = 4\sqrt{2} \cdot \sqrt{2}$$

$$d = 8 \text{ cm} \quad d = 2r$$

$$O = 8 \cdot 3,14 = 25,12 \text{ cm}$$

$$d) O_0 = 2 \cdot r_0 \pi$$

$$O_u = 37,68 \text{ cm}$$

$$O_u = 2 \cdot r_u \cdot \pi = 37,68$$

$$2 \cdot r_u \cdot 3,14 = 37,68$$



$$2r_u = a$$

$$a = 2 \cdot r_u = \frac{37,68}{3,14}$$

$$2r_u = \frac{3768}{314}$$

$$2r_u = 12 \text{ cm} = a$$

$$d = a\sqrt{2} = 12\sqrt{2}$$

$$d = 2 \cdot r_o$$

$$O = 12\sqrt{2} \cdot \pi \text{ cm}$$