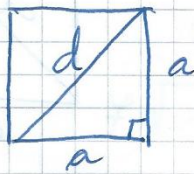


2. URA - PITAGOROV IZREK V KVADRATU - REŠITVE

U št. 186/2



a) $a = 3 \text{ cm}$

$d =$

$d = a\sqrt{2}$

$d = 3\sqrt{2} \text{ cm} \approx 4,23 \text{ cm}$

b) $a = 2,4 \text{ dm}$

$d =$

$d = a\sqrt{2}$

$d = 2,4\sqrt{2} \text{ dm} \approx 3,384 \text{ dm}$

c) $a = 0,4 \text{ m}$

$d =$

$d = a\sqrt{2}$

$d = 0,4\sqrt{2} \text{ m} \approx 0,564 \text{ m}$

č) $a = \sqrt{8} \text{ cm}$

$d =$

$d = a\sqrt{2}$

$d = \sqrt{8} \cdot \sqrt{2}$

$d = \sqrt{16}$

$d = 4 \text{ cm}$

d) $a = 5 \cdot \sqrt{2} \text{ cm}$

$d =$

$d = a\sqrt{2}$

$d = 5 \cdot \sqrt{2} \cdot \sqrt{2}$

$d = 5 \cdot 2$

$d = 10 \text{ cm}$

U sth. 186/4

a) $d = 14,1 \text{ cm}$

$\sqrt{2} \doteq 1,41$

$a =$

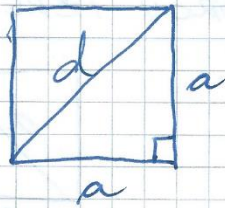
$\sigma =$

$\mu =$

$\sigma = 4 \cdot a$

$\sigma = 4 \cdot 10$

$\sigma = 40 \text{ cm}$



$d = a \cdot \sqrt{2}$
 $14,1 = a \cdot 1,41$

$a = 14,1 : 1,41$

$a = 10 \text{ cm}$

$\mu = a^2$

$\mu = 10^2$

$\mu = 100 \text{ cm}^2$

b) $d = 19,74 \text{ cm}$

$\sqrt{2} \doteq 1,41$

$a =$

$\sigma =$

$\mu =$

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

$19,74 = a \cdot 1,41$

$a = 19,74 : 1,41$

$a = 14 \text{ cm}$

$\sigma = 4 \cdot a$

$\sigma = 4 \cdot 14$

$\sigma = 56 \text{ cm}$

$\mu = a^2$

$\mu = 14^2$

$\mu = 196 \text{ cm}^2$

$$c) \quad \underline{d = 7\sqrt{2} \text{ cm}}$$

$$a =$$

$$\sigma =$$

$$\mu =$$

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

$$\cancel{7\sqrt{2}} = a\cancel{\sqrt{2}}$$

$$a = 7 \text{ cm}$$

$$\underline{\sigma = 4 \cdot a}$$

$$\sigma = 4 \cdot 7$$

$$\underline{\sigma = 28 \text{ cm}}$$

$$\underline{\mu = a^2}$$

$$\mu = 7^2$$

$$\mu = 49 \text{ cm}^2$$

$$c) \quad \underline{d = \sqrt{50} \text{ cm}} = \sqrt{25 \cdot 2} = 5\sqrt{2} \text{ cm} !$$

$$a =$$

$$\sigma =$$

$$\mu =$$

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

$$\rightarrow \sqrt{50} = a \cdot \sqrt{2}$$

$$5\sqrt{2} = a\sqrt{2}$$

$$a = 5 \text{ cm}$$

$$\underline{\sigma = 4 \cdot a}$$

$$\sigma = 4 \cdot 5$$

$$\underline{\sigma = 20 \text{ cm}}$$

$$\underline{\mu = a^2}$$

$$\mu = 5^2$$

$$\mu = 25 \text{ cm}^2$$