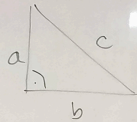


Пифагорина теорема - вѣндање

225. e) $a = 7\sqrt{3}$ cm
 $b = 24\sqrt{3}$ cm



$$c = ?$$

$$c^2 = a^2 + b^2$$

$$c^2 = (7\sqrt{3})^2 + (24\sqrt{3})^2$$

$$c^2 = 49 \cdot 3 + 576 \cdot 3$$

$$c^2 = 147 + 1728$$

$$c^2 = 1875$$

$$c = \sqrt{1875} = \sqrt{5 \cdot 5 \cdot 5 \cdot 3}$$

$$c = \sqrt{25 \cdot 25 \cdot 3}$$

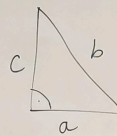
$$c = \sqrt{25} \cdot \sqrt{25} \cdot \sqrt{3}$$

$$c = 5 \cdot 5 \cdot \sqrt{3}$$

$$c = 25\sqrt{3}$$
 cm

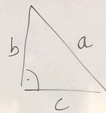
$$\begin{array}{r} 1875 \mid 5 \\ 375 \mid 5 \\ 75 \mid 5 \\ 15 \mid 5 \\ 3 \mid 3 \\ 1 \end{array}$$

226. d) $c = 4\frac{1}{2}$ cm



$$a = 6$$
 cm
 $b = ?$
 $b^2 = a^2 + c^2$
 $b^2 = (6)^2 + (4\frac{1}{2})^2$
 $b^2 = 36 + (\frac{9}{2})^2$
 $b^2 = 36 + \frac{81}{4}$
 $b^2 = \frac{144}{4} + \frac{81}{4}$
 $b^2 = \frac{225}{4}$
 $b = \sqrt{\frac{225}{4}}$
 $b = \frac{15}{2}$ cm

2) $b = 2,4$ cm
 $c = 4,5$ cm



$$a = ?$$

$$a^2 = b^2 + c^2$$

$$a^2 = 2,4^2 + 4,5^2$$

$$a^2 = 5,76 + 20,25$$

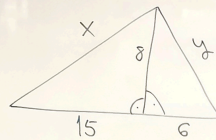
$$a^2 = 26,01$$

$$a = \sqrt{26,01}$$

$$a = 5,1$$
 cm

Замети:
 224, 225, 229, 229a, b

229. e)



$$x^2 = 15^2 + 8^2$$

$$x^2 = 225 + 64$$

$$x^2 = 289$$

$$x = \sqrt{289}$$

$$x = 17$$

$$y^2 = 8^2 + 6^2$$

$$y^2 = 64 + 36$$

$$y^2 = 100$$

$$y = \sqrt{100}$$

$$y = 10$$