

Rešitve 8.r (knjig + Učb, str. 182 - 2, 3a, 4a) (14.4.)

1.9)  $r = 15 \text{ cm}$   
 $\sigma, \nu = ?$

$$\sigma = 2\pi r$$

$$\sigma = 2 \cdot 3,14 \cdot 15$$

$$\sigma = \underline{\underline{94,2 \text{ cm}}}$$

$$\nu = \pi r^2$$

$$\nu = 3,14 \cdot 15^2$$

$$\nu = 3,14 \cdot 225$$

$$\nu = \underline{\underline{706,5 \text{ cm}^2}}$$

2)  $d = 40 \text{ cm} \Rightarrow r = 20 \text{ cm}$

$$\sigma, \nu = ?$$

$$\sigma = \pi \cdot d$$

$$\sigma = 3,14 \cdot 40$$

$$\sigma = \underline{\underline{125,6 \text{ cm}}}$$

$$\nu = \pi r^2$$

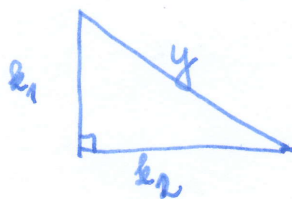
$$\nu = 3,14 \cdot 20^2$$

$$\nu = 3,14 \cdot 400$$

$$\nu = \underline{\underline{1256 \text{ cm}^2}}$$

Učb, str. 182

2.a)  $k_1 = 3 \text{ cm}$   
 $k_2 = 4 \text{ cm}$   
 $y = ?$



$$y^2 = k_1^2 + k_2^2$$

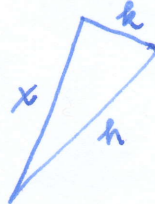
$$y^2 = 3^2 + 4^2$$

$$y^2 = 9 + 16$$

$$y^2 = 25$$

$$y = \sqrt{25} = \underline{\underline{5 \text{ cm}}}$$

2)  $k = 5 \text{ cm}$   
 $h = 13 \text{ cm}$   
 $x = ?$



$$x^2 = h^2 - k^2$$

$$x^2 = 13^2 - 5^2$$

$$x^2 = 169 - 25$$

$$x^2 = 144$$

$$x = \sqrt{144}$$

$$x = \underline{\underline{12 \text{ cm}}}$$

3.a)  $t = 6 \text{ cm}$   
 $m = 8 \text{ cm}$   
 $h = ?$



$$h^2 = t^2 + m^2$$

$$h^2 = 6^2 + 8^2$$

$$h^2 = 36 + 64$$

$$h^2 = 100$$

$$h = \underline{\underline{10 \text{ cm}}}$$

$$\sigma = h + t + m$$

$$\sigma = 10 + 8 + 6$$

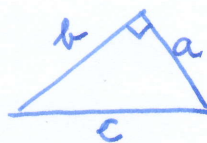
$$\sigma = \underline{\underline{24 \text{ cm}}}$$

$$\nu = \frac{t \cdot m}{2}$$

$$\nu = \frac{6 \cdot 8}{2}$$

$$\nu = \underline{\underline{24 \text{ cm}^2}}$$

4.a)  $c = 17 \text{ cm}$   
 $a = 8 \text{ cm}$   
 $b = ?$



$$b^2 = c^2 - a^2$$

$$b^2 = 17^2 - 8^2$$

$$b^2 = 289 - 64$$

$$b^2 = 225$$

$$b = \sqrt{225}$$

$$b = \underline{\underline{15 \text{ cm}}}$$

$$\sigma = a + b + c$$

$$\sigma = 8 + 15 + 17$$

$$\sigma = \underline{\underline{40 \text{ cm}}}$$

$$\nu = \frac{a \cdot b}{2}$$

$$\nu = \frac{8 \cdot 15}{2}$$

$$\nu = \underline{\underline{60 \text{ cm}^2}}$$