

$$1. \quad \begin{array}{lll} a) x^2 = y^2 + z^2 & b) r^2 = p^2 + s^2 & c) o^2 = m^2 + n^2 \\ y^2 = x^2 - z^2 & p^2 = r^2 - s^2 & m^2 = o^2 - n^2 \\ z^2 = x^2 - y^2 & s^2 = r^2 - p^2 & n^2 = o^2 - m^2 \end{array} \quad \begin{array}{l} \check{c}) e^2 = c^2 + d^2 \\ c^2 = e^2 - d^2 \\ d^2 = e^2 - c^2 \end{array}$$

$$2. \quad a) y = 5 \text{ cm} \quad b) x = 12 \text{ cm}$$

$$3. \quad \begin{array}{llll} a) h = 10 \text{ cm} & b) h = 25 \text{ dm} & c) h = 34 \text{ cm} & \check{c}) h = 29 \text{ cm} \\ o = 24 \text{ cm} & o = 56 \text{ dm} & o = 80 \text{ cm} & o = 70 \text{ cm} \\ p = 24 \text{ cm}^2 & p = 84 \text{ dm}^2 & p = 240 \text{ cm}^2 & p = 210 \text{ cm}^2 \end{array}$$

$$d) h = 6 \text{ cm} \\ o = (11 + \sqrt{11}) \text{ cm} \\ p = 8,29 \text{ cm}^2$$

$$4. \quad \begin{array}{llll} a) b = 15 \text{ cm} & b) k = 20 \text{ cm} & c) k = 35 \text{ dm} & \check{c}) k = 4,8 \text{ m} \\ o = 40 \text{ cm} & o = 220 \text{ cm} & o = 84 \text{ dm} & o = 17,6 \text{ m} \\ p = 60 \text{ cm}^2 & p = 990 \text{ cm}^2 & p = 210 \text{ dm}^2 & p = 13,2 \text{ m}^2 \end{array}$$

$$d) k = 3 \text{ cm} \quad e) l = \sqrt{2} \text{ m} \\ o = (5 + \sqrt{13}) \text{ cm} \quad o = (3\sqrt{2} + \sqrt{10}) \text{ m} \\ p = 3 \text{ cm}^2 \quad p = 2 \text{ m}^2$$

$$5. \quad \begin{array}{|c|c|c|c|c|c|c|c|} \hline k_1 & 6 & 9 & 24,1 & 20 & 24 & \sqrt{4} & \sqrt{12} \\ \hline k_2 & 8 & 12 & 24 & 21 & 7 & \sqrt{5} & 2 \\ \hline h & 10 & 15 & 34 & 29 & 25 & 3 & 4 \\ \hline \end{array}$$

6. Pravokotni so 1., 3., 5. in 6. trikotnik.

$$7. \quad \begin{array}{lll} a) o = 90 & b) o = 32 & c) o = 48 \\ p = 360 & p = 24 & p = 160 \end{array}$$

8. Žica je dolga 25,3 m.

9. Vrhova sta 17 cm narazen.

10. Vrv mora biti dolga 26 m.

11. Drevo je visoko 40 m.

12. Preplaval je 17 m dolgo pot.

13. Špela si je skrajšala pot za 42 m.

14. Deska mora biti dolga 116 cm.

15. Vrh se je dotaknil tal 7 m od vznožja drevesa.

$$16. p = 78,5 \text{ cm}^2$$

17. Potrebuje dve letvi po 3,7 m.