

MATEMATIKA

M-M-01

1. $4a^2 + 2$
2. $x^{\frac{1}{4}} - 3$
3. $y = -\frac{4}{3}x$
- 4.
5. $a = \pm \frac{1}{\sqrt{2}}$
6. $x \in \{2,3,4\}$
7. $S = 6$
8. $x = a; y = 0$
9. 0
10. $V = 512cm^3$

M-M-02

- 1.
2. $11a(x - 3y)^2$
3. $50x^2 + 35x + 6$
4. 1
5. $1; 7; 13; 19; 25$
6. $y = 4$
7. $(x - 15)^2 + (y + 20)^2 = 225$
8. a) b)
9. $x = 2$
10. $P = 2350cm^2$

M-M-05

1. $\frac{1}{6}(x-5)(x+1)$
2. 1
3. $\frac{5(3-\sqrt{2})}{7}$
4. $x_T = \frac{3}{2}, y_T = -\frac{1}{4}$ ili $T\left(\frac{3}{2}, -\frac{1}{4}\right)_{\min}$
5. $x_1 = 5; x_{2,3} = \frac{5}{2}(-1 \pm i\sqrt{3})$
6. $h = 26\text{cm}$
7. 6
8. $A \setminus B = \{2, 8\}; B \setminus A = \emptyset$
9. $T(6; -4, 5)$
10. $x = -1; y = -4$. NE

M-M-06

1. 1
2. $\frac{1}{9}$
3. $b = 1; x_1 = 4, x_2 = -5$
4. $\frac{5}{-13-i}$
5. $x = 1$
6. $P_1 = 150\text{cm}^2$; za 562,5‰ više.
 $V_1 = 125\text{cm}^3$; za 953,125‰ više.
7. $y = x + 2$
8. $a_1 = 1, a_2 = 3, a_3 = 9, a_4 = 27$
9. $A \cap B = \{5, 7\} = B$, b) $A \setminus B = \{1, 3\}$
10. R: (5,3)