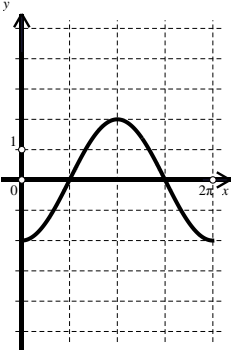
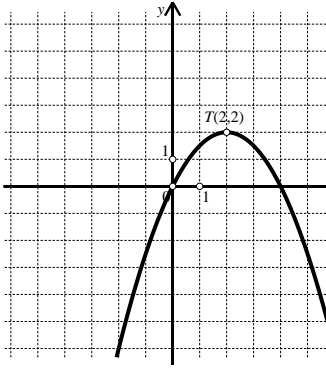


Državna matura 2012. – jesenski rok

MATEMATIKA – viša razina

1. B	2. A	3. B	4. D	5. C
6. B	7. A	8. A	9. D	10. B
11. C	12. A	13. B	14. B	15. C
16. 35	17. $b = \frac{2P}{h} - B$	18.1. 3	18.2. $\left[-\frac{1}{2}, \frac{4}{3} \right]$	19.1. 49
19.2. 1348	20.1. $26^{\circ}33'54''$	20.2. 10.98	21.1. $-2 - 2ai$	21.2. $2 \left(\cos \frac{5\pi}{6} + i \sin \frac{5\pi}{6} \right)$
22.1. $x = \pi + 2k\pi, k \in \mathbf{Z}$	22.2. 	23.1. 15	23.2. 258 000	24.1. 60
24.2. 6028	25.1. $5 \cos(5x)$	25.2. -5	25.3. 1	26. $T(2,2)$ 
27. $\left[-\frac{1}{2}, +\infty \right) \setminus \{1\}$	28.1. 1300	28.2. 1.25	28.3. 128	29.1. $2\sqrt{2}$

29.2.

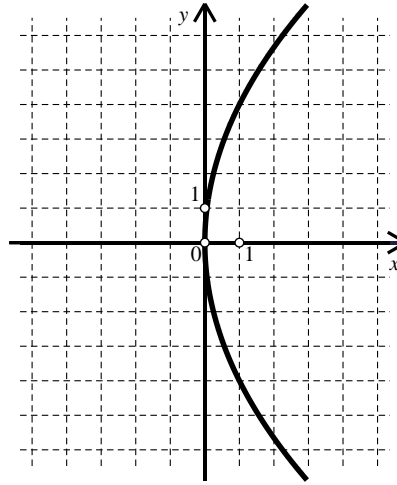
$$\vec{i} + 5\vec{j}$$

29.3.

$$y = \frac{4}{3}x + \frac{14}{3}$$

29.4

$$y^2 = 16x$$



29.5.

3.3995...

30.

$$\left\langle -\infty, -\frac{1}{3} \right\rangle \cup \left\langle \frac{1}{5}, +\infty \right\rangle$$