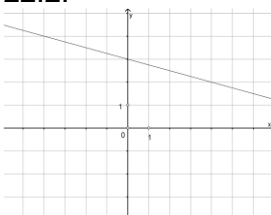
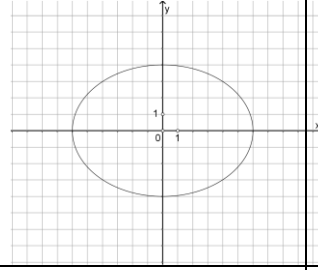


MATEMATIKA A

Ključ za odgovore

Državna matura – ljetni rok 2018.

1. C	2. D	3. A	4. B						
5. D	6. A	7. C	8. B						
9. C	10. D	11. C	12. B						
13. B	14. A	15. B							
16.1. 12	16.2. 93837.9	17.1. 86	17.2. $x = 2, y = -\frac{1}{4}$						
18.1. 108°	18.2. 576	19.1. $x \leq -\frac{1}{5}$	19.2. $\langle 0, 2 \rangle$						
20.1. 3	20.2. $2b$	21.1. $1.5(\cos 210^\circ + i \sin 210^\circ)$	21.2. 7						
22.1. <table border="1" style="display: inline-table; vertical-align: middle;"> <tbody> <tr> <td>x</td> <td>-3</td> <td>$\frac{3}{2}$</td> </tr> <tr> <td>$f(x)$</td> <td>0.1</td> <td>$\sqrt{10}$</td> </tr> </tbody> </table>	x	-3	$\frac{3}{2}$	$f(x)$	0.1	$\sqrt{10}$	22.2. 	23.1. $6x^2 + 6x - 2$	23.2. $-\frac{2}{5}$
x	-3	$\frac{3}{2}$							
$f(x)$	0.1	$\sqrt{10}$							
24.1. 12.074...	24.2. $\frac{15}{4}$	25.1. 36	25.2. $\frac{9}{k+1}, k \neq -1$						
25.3. $0, -\frac{31}{2}$	26.1. $\left(-\frac{1}{4}, 2\right)$	26.2. 	26.3. $\frac{11\sqrt{5}}{5}$						
27.1. $\mathbb{R} \setminus \{2\}$	27.2. $\frac{\pi}{3}$	27.3. $[-2, 2]$	28. $x = -4$ $\max = 6$						
29.1. 19.3185...	29.2. $x = 1.107... + k\pi,$ $k \in \mathbb{Z}$	29.3. 240	29.4. 26.9						
29.5. $6x + 10y + 9 = 0$	30. 396								