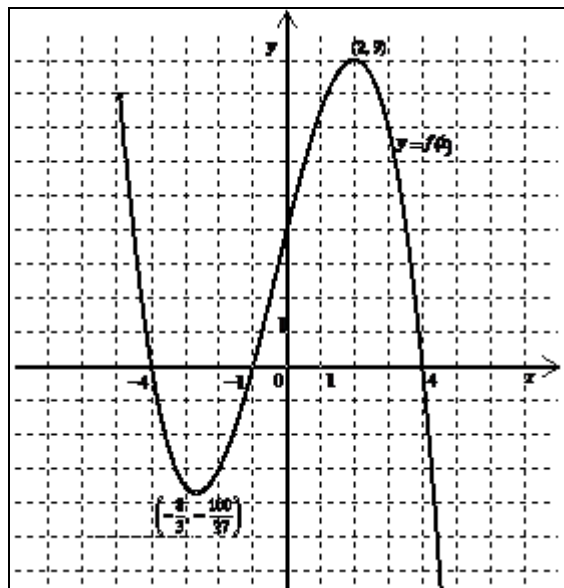


**RJEŠENJA ISPITA IZ MATEMATIKE NA DRŽAVNOJ MATURI - ljetni rok
VIŠA RAZINA (A)**

1. C	2. A	3. B	4. A	5. A
6. B	7. D	8. C	9. D	10. C
11. A	12. C	13. A	14. B	15. C
16. $\frac{46}{3}$	17. 	18.1. $\frac{3}{2}$	18.2. $y = -x + 3$	19.1. -1
19.2. $x_1 = -2, x_2 = 3$	20.1. 28561	20.2. $2\left(\cos\frac{\pi}{2} + i\sin\frac{\pi}{2}\right)$	21.1. 7	21.2. 344
22.1. $\langle -\infty, -4] \cup [-3, +\infty \rangle$	22.2. $y = -5a$	23.1. $\sin \alpha$	23.2. $\frac{2\pi}{3}$	24.1. 7975
24.2. 1.2	25.1. $p = \frac{3}{2}$	25.2. $\frac{11\sqrt{5}}{5}$	25.3. $y = -\frac{2}{3}x - \frac{3}{2}$	26. 7.847% 3.66%
27. $\langle 3, 5]$	28.1. $20\ 000$	28.2. 5	28.3. $t = \frac{K - 20\ 000}{80\ 000 - K}$	
29. 1. $(-4, 0), (-1, 0), (4, 0)$	29. 2. $f'(x) = -\frac{1}{4}(3x^2 + 2x - 16)$	29. 3. $\left\langle -\frac{8}{3}, 2 \right\rangle$	29. 4. minimum: $\left(-\frac{8}{3}, -\frac{100}{27}\right)$ maximum: $(2, 9)$	

29.5.



30.

20.5 mm