

1. $99^{\circ} 48' 6''$

2. $6^{\circ} 17' 54''$

3. $74^{\circ} 03'$

4. 111°

5. $\frac{3\pi}{5}$

6. $\frac{\pi}{9}$

7. $\sqrt{\frac{2}{3}}$

8. $\frac{1}{\sqrt{2}}$

9. $\frac{6}{25}$

10. Açı Esas ölçü

11. 108

12. Açı Esas ölçü

13. $\frac{\pi}{6}$

14. Ali $\rightarrow$ [A, D] arası
Hasan $\rightarrow$ [A, D] arası

FAZ 02

1. $\frac{3}{4}$

2. $\frac{\sqrt{3}}{7}$

3. $\frac{1}{2}$

4. $\frac{4}{5}$

5. 48

6. $\frac{\cos \alpha}{\sin^2 \alpha}$

7. $\frac{12}{7}$

8. $\frac{a}{\sqrt{1-a^2}}$

9. 3

10. $\frac{1}{3}$

11. $\frac{1}{2}$

12. 60°

FAZ 03

1. $(\cos 20^\circ, -\sin 20^\circ)$

2. $1 - \cos 50^\circ$

3. $-\frac{\sqrt{13}}{4}$

4. $\sin 20^\circ \cdot \cos 20^\circ$

5. $\sin \alpha = \frac{1}{3}$
 $\cos \alpha = \frac{2\sqrt{2}}{3}$

6. $\cos(-240) = -\frac{1}{2}$
 $\sin(-240) = \frac{\sqrt{3}}{2}$

7. $-\frac{4}{3}$

8. -7

9. $(-, +, -)$

10. $-\frac{1}{\sqrt{10}}$

11. $c < b < a$

12. $c < b < a$

13. $\left(-\frac{1}{2}, 1\right)$

14. $[-5, 7]$

FAZ 04

1. $\sqrt{2}$
2. $\sqrt{5}$
3. $\sqrt{6}$
4. $\frac{2\sqrt{3}}{3}$
5. $\frac{2\sqrt{5}}{5}$
6. $-\frac{2}{\sqrt{5}}$
7. 3
8. $\frac{1 - \cos \alpha}{\cos \alpha}$ veya $(\sec \alpha - 1)$
9. $-\frac{\sqrt{6}}{5}$
10. +, -, +
11. $a < b < c$
12. $a < b < c$

FAZ 05

1. 1
2. $\frac{7}{9}$
3. $\cos x - \sin x$
4. 1
5. $-\tan^2 x$
6. $-\sin^2 x$
7. 1
8. $-\frac{2}{\sqrt{13}}$
9. 47
10. $-\frac{1}{2}$
11. -2
12. $\sec \alpha - 1$
13. $-\frac{9}{4}$

FAZ 06

1. $\frac{2}{3}$
2. $\frac{-a^2 - 1}{2}$
3. $-\cos y$
4. 0
5. $-\frac{4}{3}$
6. $\cos(310^\circ), \sin(310^\circ)$
7. $d < a < b < c$
8. $\frac{8}{13}$
9. 0
10. $-\sin \alpha$

FAZ 07

1. $3\sqrt{2}$
2. 5
3. $\frac{7}{2}$
4. 120
5. 3
6. 30°
7. $-\frac{1}{2}$
8. $2\sqrt{17}$
9. $\frac{9}{2}$
10. $\sqrt{\frac{3}{2}}$
11. 12
12. $\frac{2\sqrt{2}}{3}$

FAZ 08

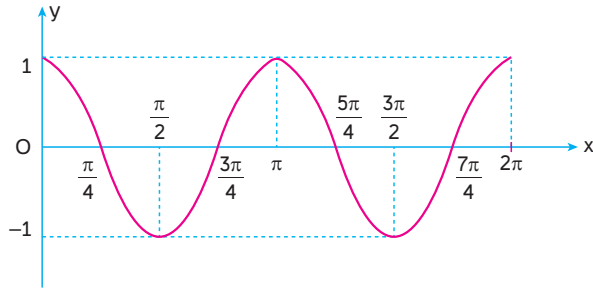
1. 2π

2. a. $\frac{\pi}{2}$, b. $\sqrt{2}\pi$

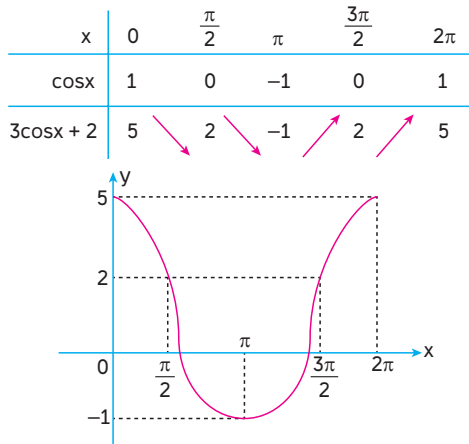
3. π

4. π

5.

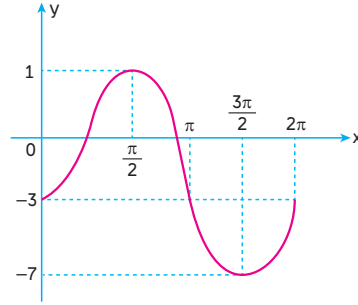


6.



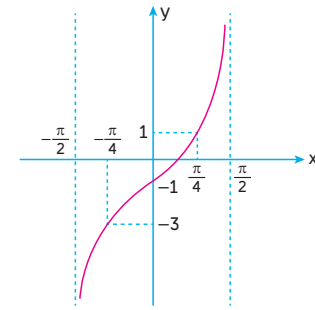
7.

x	0	$\frac{\pi}{2}$	π	$\frac{3\pi}{2}$	2π
$\sin x$	0	1	0	-1	0
$4\sin x - 3$	-3	1	-3	-7	-3



8.

x	$-\frac{\pi}{2}$	$-\frac{\pi}{4}$	0	$\frac{\pi}{4}$	$\frac{\pi}{2}$
$\tan x$	$-\infty$	-1	0	1	$+\infty$
$2\tan x - 1$	$-\infty$	-3	-1	1	$+\infty$



FAZ 09

1. $\frac{\sqrt{2}}{2}$

2. 0

3. 0

4. $\frac{\sqrt{5}}{3}$

5. $\frac{\pi}{2}$

6. $\frac{x}{\sqrt{1+x^2}}$

7. $\frac{1}{3} \cdot \arcsin\left(\frac{x-1}{2}\right)$

8. $\arctan \frac{7}{2}$

9. $\frac{\sqrt{3}}{2}$

10. -2

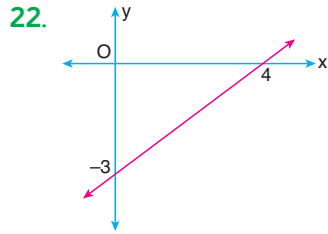
FAZ 10

FAZ 12

A coordinate plane with x and y axes. The origin is labeled O. Four points are plotted: A(-3, 1), B(4, 0), C(2, 3), and D(3, -2). Dashed lines connect each point to its x and y coordinates on the axes. Right-angle symbols are shown at the intersection of the dashed lines and the axes.

20. $\frac{11}{4}$

21. $\frac{3}{2}$



23. 6

24. 2

25. (3, 0)

26. 9

FAZ 13

1. $-\frac{1}{2}$

2. $2x + 3y + 3 = 0$

3. $-3x + 2y - 11 = 0$

4. $-\frac{6}{5}$

5. (0, 4)

6. $5x + y - 12 = 0$

7. $\frac{5}{2}$

8. 8

9. (-1, 3)

10. $\left(\frac{12}{5}, \frac{6}{5}\right)$

11. (6, 3)

12. $\left(2, \frac{16}{5}\right)$

13. $5x - 2y - 25 = 0$

14. 4

15. $\left\{1, -\frac{23}{3}\right\}$

16. 4

17. $2x + 3y + 1 = 0$

18. $2\sqrt{5}$

CEVAP ANAHTARLARI

FAZ 14

- 1
- 40
- 2
- $y = 3x + 12$

FAZ 15

1. 2
2. $\frac{27}{8}$
3. -12
4. $-\frac{15}{2}$
5. 60
6. $\{-6, 2\}$
7. $4\sqrt{2}$
8. 9

FAZ 16

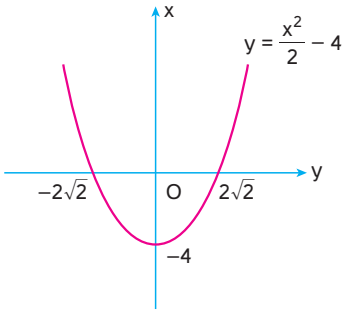
1. 10

2. -1

3. 2

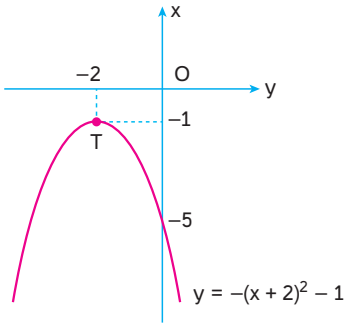
4. 6

5.



6. 4

7.



8. 8

FAZ 17

1. $4\sqrt{2}$

2. -7

3. 2

4. 18

5. En küçük = -25
En büyük = 06. $\frac{19}{4}$ 7. $\frac{125}{2}$

8. -2

9. 16

10. 15

11. -6

12. $-\frac{1}{3}$

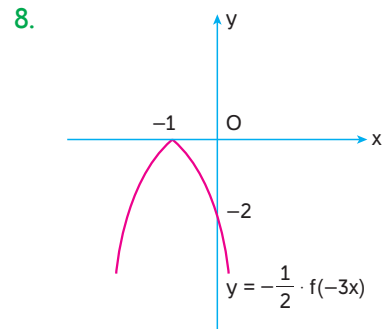
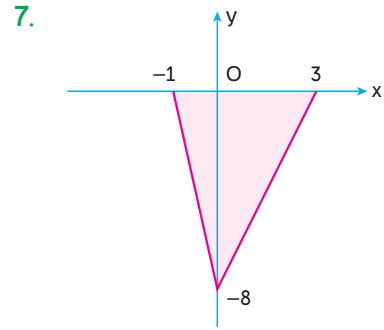
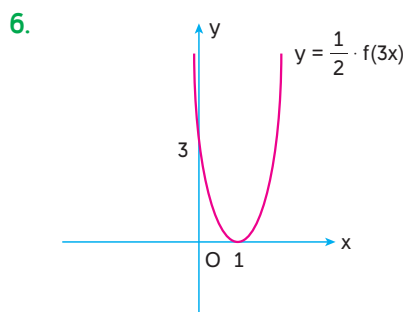
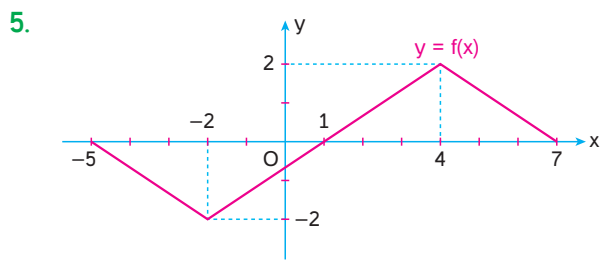
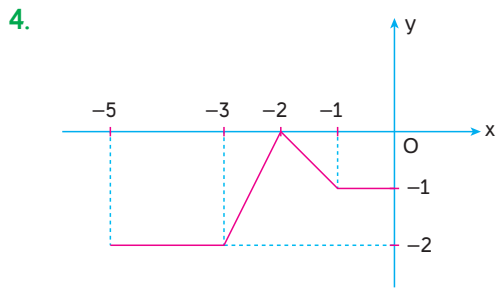
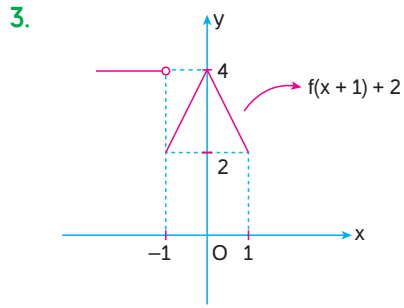
FAZ 19

- FAZ 19

FAZ 20

1. $2x^2 - 16x + 33$

2. 7



FAZ 21

1. $\left\{(-3, 2), \left(-\frac{1}{5}, -\frac{18}{5}\right)\right\}$
2. $\{(1, 4), (2, 3)\}$
3. $(3, -1)$
4. $\{(\sqrt{2}, 1), (\sqrt{2}, -1), (-\sqrt{2}, 1), (-\sqrt{2}, -1)\}$
5. $\emptyset$
6. $(-2, 3)$
7. $(-2, 6)$
8. $\{(1, \sqrt{3}), (1, -\sqrt{3})\}$

FAZ 22

1. a. $\left[1, \frac{5}{2}\right]$
b. $(-\infty, 1) \cup \left(\frac{5}{2}, \infty\right)$
2. a. $\mathbb{R} - \{3\}$
b. $\{3\}$
3. $(-2, 6)$
4. $[2, 3]$
5. a. $(-2, 3)$
b. $(-\infty, -2] \cup [3, \infty)$
6. $(-\infty, -3) \cup (2, \infty)$
7. $(5, \infty)$
8. $\emptyset$
9. $\mathbb{R}$
10. $\emptyset$

FAZ 23

1. $(-2, -1)$
2. 6
3. $\left(-\infty, \frac{1}{2}\right) - \left\{-\frac{1}{2}\right\}$
4. $[2, \infty)$
5. $(-\infty, -1) \cup [4, \infty]$
6. $(-\infty, -1) \cup [2, 6] \cup (7, \infty)$
7. $(-\infty, 1]$
8. 3
9. $(-3, -1) \cup (1, \infty)$

FAZ 24

1. $(1, 3)$
2. $(-2, 0)$
3. $(-4, -3)$
4. $(-1, 0)$
5. $(0, 1)$
6. $(-1, 1)$
7. $(-1, 2)$
8. $\emptyset$

1.	260
2.	70
3.	105
4.	120
5.	130
6.	95
7.	90
8.	100
9.	35
10.	90
11.	105
12.	30
13.	25
14.	30
15.	25
16.	150
17.	10
18.	25
19.	20
20.	120

1. 6
2. 12
3. 6
4. 17
5. 5
6. $2 - \sqrt{3}$
7. 18
8. $1 + \sqrt{2}$
9. 3
10. $2\sqrt{3}$
11. 60
12. 6
13. 5
14. 12
15. 4
16. 9
17. 10
18. $2\sqrt{3}$

FAZ 27

1. $\zeta = 16\pi$, $A = 64\pi$
2. 24π
3. a. 8π , b. 32π
4. $\frac{9\pi}{2}$
5. 24
6. 4π
7. $32\pi - 32\sqrt{3}$
8. a. π , b. $\frac{2\pi}{3}$
9. $12\pi + 18\sqrt{3}$
10. $\pi + 2$
11. $12\pi - 9\sqrt{3}$
12. 20π
13. $2\pi - 4$
14. $\pi - 2$
15. 20π
16. $4\sqrt{5}$
17. 39
18. 9π
19. $\frac{20}{21}$
20. $\frac{5}{11}$
21. $\frac{4}{5}$

FAZ 28

1. 45π
2. 84
3. $64 - 16\pi$
4. 16π
5. $9\sqrt{3}\pi$
6. 3
7. $\frac{3}{4}$
8. 9π
9. $32\sqrt{3}\pi$
10. 8
11. $A = 27\pi$
 $V = 18\pi$

FAZ 29

1. $\frac{5}{6}$

2. $\frac{1}{3}$

3. $\frac{1}{4}$

4. $\frac{1}{3}$

5. $\frac{4}{9}$

6. a. $\frac{1}{4}$, b. $\frac{16}{61}$

7. $\frac{2}{3}$

8. $\frac{15}{88}$

FAZ 30

1. $\frac{2}{9}$

2. Kemal

3. $\frac{1}{3}$

4. $\frac{1}{4}$

5. a. $\frac{1}{3}$, b. $\frac{3}{8}$

6. $\frac{13}{21}$

7. $\frac{5}{6}$

8. a. $\frac{9}{25}$, b. $\frac{13}{25}$

9. a. $\frac{14}{27}$, b. $\frac{5}{27}$

10. $\frac{31}{35}$

11. $\frac{1}{2}$

12. $\frac{1}{6}$

13. a. $\frac{1}{4}$, b. $\frac{3}{4}$