

CEVAPLI TEST-1

1. $3x - 4 = 2x + 9$ ise $x = ?$

- A) 11 B) 12 C) 13 D) 14 E) 15

2. $4x - 2(x+1) - [-(x+4) - (-2x+5)] = 12$ ise $x = ?$

- A) 4 B) 5 C) 6 D) 7 E) 8

$$3. \frac{2x-1}{3} + 4 = \frac{3x+7}{2} + 1 \text{ ise } x = ?$$

- A) -1 B) 0 C) 1 D) 2 E) 3

$$4. \frac{2(x+1)}{3} + \frac{3(x-2)}{2} + \frac{5(2x-1)}{4} = 0 \text{ ise } x = ?$$

- A) $\frac{43}{56}$ B) $\frac{15}{29}$ C) $\frac{19}{28}$ D) 1 E) 2

$$5. 2 - \frac{3x}{\frac{2x-1}{4} + 1} = 0 \text{ ise } x = ?$$

- A) $\frac{1}{2}$ B) $\frac{2}{3}$ C) $\frac{3}{4}$ D) $\frac{4}{5}$ E) $\frac{5}{6}$

6. $2x + 3a + 2 = 5ax - 3x - 7a - 3$ ise $x = ?$

- A) $2a$ B) $a - 1$ C) $\frac{2a + 1}{a - 1}$
 D) $\frac{a + 1}{2a - 1}$ E) $\frac{2a - 1}{a + 1}$

7. $5 - [2x - 3 - (x + 2)] = 7$ ise $x = ?$

- A) 5 B) 4 C) 3 D) 2 E) 1

8. $0,25(x - 3) = 0,15 \cdot 4$ ise $x = ?$

- A) $\frac{27}{5}$ B) $\frac{17}{15}$ C) $\frac{12}{5}$ D) 5 E) 6

$$9. \frac{3x - 4}{5} + \frac{2ax - 8}{4} = 5 \text{ denkleminin kökü } 3 \\ \text{ise } a = ?$$

- A) 3 B) 4 C) 5 D) 6 E) 7

$$10. a \neq b \text{ olmak üzere } \frac{2ax + b}{a} + \frac{3bx - a}{b} = 0 \\ \text{ise } x = ?$$

- A) $\frac{a^2 + b^2}{3ab}$ B) $\frac{a^2 - b^2}{3ab}$ C) $\frac{a^2 - b^2}{5ab}$
 D) $\frac{a^2 - b^2}{7ab}$ E) $\frac{a}{b} - \frac{b}{a}$

11. $(2x - 1)(x + 4) = 0$ ise çözüm kümesi nedir?

- A) $\left\{ \frac{1}{2}, -4 \right\}$ B) $\left\{ -\frac{1}{2}, 4 \right\}$ C) $\left\{ -\frac{1}{2}, -4 \right\}$
 D) $\left\{ \frac{1}{2} \right\}$ E) $\{-4\}$

12. $x^3 - 2x^2 = 0$ ise çözüm kümesi nedir?

- A) \emptyset B) {0} C) {2}
 D) {0,2} E) {0,-2}

13. $(x+4)^2 - 4 = 0$ ise çözüm kümesi nedir?

- A) \emptyset B) {-2} C) {-4}
 D) {-2,-4} E) R

14. $(x-2)^2 - (2x+3)^2 = 0$ ise çözüm kümesi nedir?

- A) {-5} B) {} C) $\left\{-\frac{1}{3}\right\}$
 D) $\left\{-\frac{1}{3}, -5\right\}$ E) {5}

15. $x^2 - 9 = 0$ ise çözüm kümesi nedir?

- A) {} B) {3} C) {-3} D) {-9} E) {-3,3}

16. $\frac{(x+3)x+2}{x+2} = x+1$ ise Ç.K=?

- A) {} B) {-2} C) {-2,-1}
 D) R-{2} E) {-1,2}

17. $(x+2)(x+1)(x-4) = (x+1)(x+2)$ ise çözüm kümesi nedir?

- A) {5} B) {-2,-1} C) {-2,-1,5}
 D) {1,2} E) {}

18. $\frac{x+2}{x+1} + \frac{3-x}{x-2} = 0$ ise çözüm kümesi nedir?

- A) $\left\{\frac{1}{2}\right\}$ B) $\left\{-1, \frac{1}{2}, 2\right\}$ C) {-1,2}
 D) {2} E) {-1}

19. $\frac{x+3}{x+7} - \frac{2x-1}{x+2} + \frac{3x+a}{x+1} = 3$ denkleminin bir kökü -3 ise a=?

- A) -7 B) -8 C) -9 D) -10 E) -11

20. $2 + \frac{x-1}{2x+1} = 1$ ise x=?

- A) -2 B) -1 C) $-\frac{1}{4}$ D) $-\frac{1}{5}$ E) $-\frac{1}{6}$

1	2	3	4	5	6	7	8	9	10
C	B	A	A	C	C	C	A	B	C
11	12	13	14	15	16	17	18	19	20
A	D	B	D	E	D	C	A	E	D