

ECUAȚII. INECUAȚII. SISTEME DE ECUAȚII

1. $x+1=7$

2. $t-2=-3$

3. $x-8=-7$

4. $13+x=-3$

5. $x \cdot 3 = -6$

6. $(-8):t=-4$

7. $x-8=-7$

8. $x-8=-7$

9. $5-2x=8$

10. $11-3(x-2)=14$

11. $x:(-3)=-11$

12. $3(t+1)-2=16$

13. $2x-1=0$

14. $3(2x+1)=1$

15. $2x+7=x-2$

16. $4x-(1+3x)=-9$

17. $x\sqrt{2}=12$

18. $3,25+a=1,9$

19. $13,2-x=0,65$

20. $x:0,5=1$

21. $x:1,1=3$

22. $x+2=\frac{1}{2}$

23. $\frac{x}{2}-1=x$

24. $\frac{3}{4}z-\frac{1}{2}=1$

$$25. 5x - 1\frac{2}{5} = 1\frac{1}{10}$$

$$26. \frac{1}{3}\left(x - \frac{1}{6}\right) + 2x = 1\frac{1}{9}$$

$$27. (5x + 2) \cdot 1, (4) = 17, (3)$$

$$28. \text{Determinati numarul } x \text{ daca } \frac{x+2}{9} = \frac{5}{3}$$

$$29. \frac{x}{1, (7)} - \frac{1, (2)}{1, (5)} = \frac{5}{7}$$

$$30. \frac{x}{\sqrt{10}} = \frac{\sqrt{5}}{\sqrt{2}} + \frac{2\sqrt{2}}{\sqrt{5}}$$

$$31. \frac{3x-1}{4} - \frac{5x-2}{7} = \frac{11}{4}$$

$$32. \frac{2x+1}{3x-2} = \frac{2x+5}{3x+1}$$

$$33. \text{Daca } E(x) = x + 2 \cdot |x-1|, \text{ aflati } E(-1) + E(-2).$$

$$34. -3 < x$$

$$35. x+1 < 6$$

$$36. -x > 7$$

$$37. 4-x < 2$$

$$38. x-3 < 1$$

$$39. -3 < x-2 < 1$$

$$40. -4 < x-1 < 3$$

$$41. -1 < 5-2x \leq 7$$

$$42. 3(2x+1) - x \leq 5x+7$$

$$43. (x+2)^2 - x(x+3) > x+4$$

$$44. 5x > 30, 15$$

$$45. x^2 = 9$$

$$46. 19 - 3a^2 = 7$$

$$47. (x+1)^2 - x^2 = 5$$

$$48. 2(x+3)^2 - x(x-2) = (x-1)^2 + 1$$

$$49. x^2 + x = 6$$

$$50. x^2 - 2x - 3 = 0$$

$$51. 4x^2 - 4x + 1 = 0$$

$$52. 2x^2 + x + 1 = 0$$

$$53. \begin{cases} 2x - y = 17 \\ y = 3 \end{cases}$$

$$54. \begin{cases} -x + 3y = 11 \\ x = -2 \end{cases}$$

$$55. \begin{cases} 3x - 4y = 2 \\ y = x + 1 \end{cases}$$

$$56. \begin{cases} 3x + y = 5 \\ -3x + 2y = 7 \end{cases}$$

$$57. \begin{cases} -4x + 5y = 17 \\ x - y = 2 \end{cases}$$

$$58. \begin{cases} 2x + 3y = 5 \\ -x + 2y = 8 \end{cases}$$

$$59. \begin{cases} 5(x + y) - 2y = 5 \\ 3x - 2(x - y) = 1 \end{cases}$$

$$60. \begin{cases} \frac{x}{2} + y = 3 \\ \frac{x}{4} - 2y = -1 \end{cases}$$