

**FIȘĂ DE LUCRU - Ecuații irrationale**

1.  $\sqrt{x+4} = 5$

2.  $\sqrt{4x-3} = 5$

3.  $\sqrt{5x-14} = 6$

4.  $1 + \sqrt{x-2} = 3$

5.  $\sqrt[3]{x+2} - 2 = 0$

6.  $\sqrt{4x-3} = \sqrt{2x+1}$

7.  $\sqrt[3]{3x-4} = \sqrt[3]{x+20}$

8.  $\sqrt{14-x} = \sqrt{3x+6}$

9.  $\sqrt{x^2+2} = 3\sqrt{3}$

10.  $\sqrt[3]{x^2+x+1} = 1$

11.  $\sqrt[3]{2x+1} = 5$

12.  $\sqrt{x+4} - 2 = x$

13.  $\sqrt{2x^2-6x+5} = x-1$

14.  $\sqrt{x^2-9} = x-3$

15.  $\sqrt{3x+1} = 3x+1$