

Reguli de calcul cu radicali

Atentie !

$$\sqrt{a \pm b} \neq \sqrt{a} \pm \sqrt{b}$$

$$\sqrt{16 + 9} = \sqrt{25} = 5$$

$$\sqrt{16 + 9} \neq \sqrt{16} + \sqrt{9} = 4 + 5 = 9$$

$$\sqrt{10^2 - 8^2} = \sqrt{100 - 64} = \sqrt{36} = 6$$

$$\sqrt{10^2 - 8^2} \neq \sqrt{10^2} - \sqrt{8^2} = 10 - 8 = 2$$

$$\sqrt{a^2} = |a| \quad \sqrt{7^2} = 7 \quad \sqrt{(-8)^2} = |-8| = 8$$

$$\sqrt{a \cdot b} = \sqrt{a} \cdot \sqrt{b}$$

$$\sqrt{16 \cdot 9} = \sqrt{144} = 12$$

$$\sqrt{16} \cdot \sqrt{9} = 4 \cdot 3 = 12$$

$$\sqrt{\frac{a}{b}} = \frac{\sqrt{a}}{\sqrt{b}}$$

$$\sqrt{\frac{9}{25}} = \frac{\sqrt{9}}{\sqrt{25}} = \frac{3}{5}$$

Stabilește rezultatul corect !

$$\sqrt{36} =$$

9

$$\sqrt{9^2} =$$

11

$$\sqrt{(-10)^2} =$$

10

$$\sqrt{121} =$$

2

$$\sqrt{400} =$$

6

$$\sqrt{2} \cdot \sqrt{32} =$$

20

$$\sqrt{5^2 - 4^2} =$$

60

3

$$\frac{\sqrt{120}}{\sqrt{30}} =$$

1

$$\sqrt{3^2 + 4^2} =$$

200

$$\sqrt{15^2 \cdot 4^2} =$$

17

$$\sqrt{12^2 + 5^2} =$$

13

7

8

5