

Zadanie 3.

Obliczanie pierwiastków kwadratowych i pierwiastków sześciennych:

$$\frac{-2 - \sqrt{16}}{-4} =$$

$$\frac{-7 + \sqrt{81}}{4} =$$

$$\sqrt{(-3)^2 + 4^2} =$$

$$\sqrt{1\frac{7}{9}} - \sqrt{4} =$$

$$\frac{\sqrt{25-9}}{\sqrt{25}-\sqrt{9}} =$$

$$\frac{\sqrt[3]{8}+1}{\sqrt[3]{-27}} =$$

$$\sqrt[3]{1000} - \sqrt[3]{-1} =$$

$$\frac{\sqrt[3]{8}+2}{\sqrt[3]{27}} =$$

$$\left(\sqrt[3]{125} - \sqrt[3]{64}\right)^2 =$$

$$\frac{\sqrt[3]{8} - \sqrt[3]{0}}{\sqrt[3]{343}} =$$

Zadanie 3. (rozwiązania)

Obliczanie pierwiastków kwadratowych i pierwiastków sześciennych:

$$\frac{-2 - \sqrt{16}}{-4} = \frac{-2 - 4}{-4} = \frac{-6}{-4} = \frac{3}{2}$$

$$\frac{-7 + \sqrt{81}}{4} = \frac{-7 + 9}{4} = \frac{2}{4} = \frac{1}{2}$$

$$\sqrt{(-3)^2 + 4^2} = \sqrt{9 + 16} = \sqrt{25} = 5$$

$$\sqrt{1\frac{7}{9}} - \sqrt{4} = \sqrt{\frac{16}{9}} - 2 = \frac{4}{3} - 2 = \frac{4 - 6}{3} = -\frac{2}{3}$$

$$\frac{\sqrt{25 - 9}}{\sqrt{25} - \sqrt{9}} = \frac{\sqrt{16}}{5 - 3} = \frac{4}{2} = 2$$

$$\frac{\sqrt[3]{8} + 1}{\sqrt[3]{-27}} = \frac{2 + 1}{-3} = \frac{3}{-3} = -1$$

$$\sqrt[3]{1000} - \sqrt[3]{-1} = 10 - (-1) = 10 + 1 = 11$$

$$\frac{\sqrt[3]{8} + 2}{\sqrt[3]{27}} = \frac{2 + 2}{3} = \frac{4}{3}$$

$$\left(\sqrt[3]{125} - \sqrt[3]{64}\right)^2 = (5 - 4)^2 = 1^2 = 1$$

$$\frac{\sqrt[3]{8} - \sqrt[3]{0}}{\sqrt[3]{343}} = \frac{2 - 0}{7} = \frac{2}{7}$$

Kartkówka – Grupa 1

- Oblicz: $\frac{-2 - \sqrt{16}}{-4}$
- Oblicz: $\sqrt{(-3)^2 + 4^2}$
- Oblicz: $\sqrt[3]{1000} - \sqrt[3]{-1}$
- Oblicz: $\frac{\sqrt[3]{8} + 2}{\sqrt[3]{27}}$
- Oblicz: $(\sqrt[3]{125} - \sqrt[3]{64})^2$

Kartkówka – Grupa 2

- Oblicz: $\frac{-7 + \sqrt{81}}{4}$
- Oblicz: $\sqrt{1\frac{7}{9}} - \sqrt{4}$
- Oblicz: $\frac{\sqrt{25-9}}{\sqrt{25}-\sqrt{9}}$
- Oblicz: $\frac{\sqrt[3]{8} + 1}{\sqrt[3]{-27}}$
- Oblicz: $\frac{\sqrt[3]{8} - \sqrt[3]{0}}{\sqrt[3]{343}}$

Kartkówka – Grupa 3

- Oblicz: $\sqrt{(-3)^2 + 4^2}$
- Oblicz: $\frac{-7 + \sqrt{81}}{4}$
- Oblicz: $\sqrt[3]{1000} - \sqrt[3]{-1}$
- Oblicz: $\frac{\sqrt{25-9}}{\sqrt{25}-\sqrt{9}}$
- Oblicz: $(\sqrt[3]{125} - \sqrt[3]{64})^2$