

$$\frac{2}{\sqrt{3}+1} \cdot \frac{\sqrt{3}-1}{\sqrt{3}-1} = \frac{2\sqrt{3}-2}{3-\cancel{\sqrt{3}}+\cancel{\sqrt{3}}-1} =$$

$$\frac{\cancel{2}\sqrt{3}-2}{\cancel{2}} = \frac{\cancel{2}(\sqrt{3}-1)}{\cancel{2}}$$

$$\frac{3}{\sqrt{5}-2} \cdot \frac{(\sqrt{5}+2)}{(\sqrt{5}+2)} = \frac{3\sqrt{5}+6}{5+2\sqrt{5}-2\sqrt{5}-4}$$

$$= \frac{3\sqrt{5}+6}{1}$$

$$\frac{\sqrt{3}}{\sqrt{7}+1} \cdot \frac{\sqrt{7}-1}{\sqrt{7}-1} = \frac{\sqrt{21}-\sqrt{3}}{6}$$

$$\frac{2\sqrt{2} - 1}{\sqrt{5} + 3} \cdot \frac{\sqrt{5} - 3}{\sqrt{5} - 3} = \frac{2\sqrt{10} - 6\sqrt{2} - \sqrt{5} + 3}{5 - 9} =$$

$$\frac{2\sqrt{10} - 6\sqrt{2} - \sqrt{5} + 3}{-4}$$

$$2^2 = 4$$

$$\left(\frac{1}{2}\right)^2 = \frac{1}{4}$$

$$\frac{3\sqrt{5} - \sqrt{2}}{\sqrt{3} + 1}$$

$$\cdot \frac{\sqrt{3} - 1}{\sqrt{3} - 1} =$$

$$\frac{3\sqrt{15} - 3\sqrt{5} - \sqrt{6} + \sqrt{2}}{3 + \cancel{\sqrt{3}} - \cancel{\sqrt{3}} - 1}$$

$$\frac{3\sqrt{15} - 3\sqrt{5} - \sqrt{6} + \sqrt{2}}{3 - 1} = 2$$

$$\frac{\sqrt{2}}{\sqrt{10} - \sqrt{2}}$$

$$\cdot \frac{\sqrt{10} + \sqrt{2}}{\sqrt{10} + \sqrt{2}}$$

$$= \frac{\sqrt{20} + \sqrt{4}}{\sqrt{100} + \sqrt{4}}$$

$$= \frac{\sqrt{20} + \sqrt{4}}{8}$$

Zadanie

$$\frac{\sqrt{3}}{\sqrt{2} + 3}$$
$$\frac{\sqrt{2} + 1}{\sqrt{3}}$$

$$\frac{1}{\sqrt{3} - \sqrt{2}}$$
$$4\sqrt{2}$$
$$\frac{\sqrt{11} - 3}{\sqrt{11} - 3}$$