

Nr 10.

$$a) \sqrt{9x^2} = 3x$$

$$b) \sqrt{x^2 y^2} = xy$$

$$c) \sqrt{36a^4} = 6a^2$$

$$d) \sqrt{81m^2 n^2} = 9mn$$

Nr 11.

$$a) \sqrt{7a^2} = \sqrt{7} \cdot \sqrt{a^2} = \sqrt{7} \cdot a$$

$$b) \sqrt{2b^2} = \sqrt{2} \sqrt{b^2} = \sqrt{2} \cdot b$$

$$c) \sqrt{4x} = \sqrt{4} \cdot \sqrt{x} = 2\sqrt{x}$$

$$d) \sqrt{12c^2} = \sqrt{12} \cdot \sqrt{c^2} = \sqrt{12} \cdot c$$

Nr 12

$$a) a \cdot \sqrt{b} = \sqrt{a^2} \cdot \sqrt{b} = \sqrt{a^2 b} \quad b) 2c \cdot \sqrt{d^2} = \sqrt{4c^2} \cdot \sqrt{d^2} = \sqrt{4c^2 d^2}$$

$$c) uv \cdot \sqrt{\frac{u}{v}} = \sqrt{u^2 v^2} \cdot \sqrt{\frac{u}{v}} = \sqrt{u^3 v}$$

$$d) abc \cdot \sqrt{\frac{a}{bc}} = \sqrt{abc^2} \cdot \sqrt{\frac{a}{bc}} = \sqrt{a^3 bc}$$