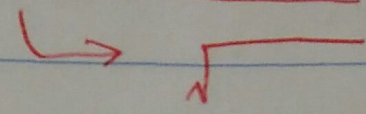


(11.2)  
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⊙ I can simplify radical expressions

Simplify.



Ex. 1

$$\sqrt{18}$$

$$\sqrt{9 \cdot 2}$$

$$\sqrt{9} \cdot \sqrt{2}$$

$$\boxed{3\sqrt{2}}$$

Rationalizing the Denominator

4

$$\frac{7 \cdot \sqrt{2}}{\sqrt{2} \cdot \sqrt{2}} \rightarrow \sqrt{2} \cdot \sqrt{2} = 2$$

$$\boxed{\frac{7\sqrt{2}}{2}}$$

2

$$\sqrt{150}$$

$$\sqrt{25 \cdot 6}$$

$$\sqrt{25} \cdot \sqrt{6}$$

$$\boxed{5\sqrt{6}}$$

5

$$\sqrt{\frac{9}{5}}$$

$$\frac{\sqrt{9}}{\sqrt{5}}$$

$$\frac{3 \cdot \sqrt{5}}{\sqrt{5} \cdot \sqrt{5}}$$

$$\boxed{\frac{3\sqrt{5}}{5}}$$

3

$$\sqrt{\frac{80}{25}}$$

$$= \frac{\sqrt{80}}{\sqrt{25}}$$

$$= \frac{\sqrt{16} \sqrt{5}}{5}$$

$$= \boxed{\frac{4\sqrt{5}}{5}}$$