

* Simplify $2\sqrt{10} - 7\sqrt{40}$ ★
simplify

$$2\sqrt{10} - 7\sqrt{40}$$

$$2\sqrt{10} - 7\sqrt{4 \cdot 10}$$

$$2\sqrt{10} - 7 \cdot \sqrt{4} \cdot \sqrt{10}$$

$$2\sqrt{10} - \underbrace{7(2)}\sqrt{10}$$

$$\underbrace{2\sqrt{10} - 14\sqrt{10}} \quad \star \quad \begin{array}{l} 2x - 14x \\ -12x \end{array}$$

$$\boxed{-12\sqrt{10}}$$