

Retake

Simplifying Radicals

80 Level

Simplify each expression and **explain**.

$$\sqrt{405}$$

$$\sqrt{252}$$

$$\frac{7}{\sqrt{3}}$$

90 Level

If $\frac{3\sqrt{7}}{a\sqrt{7}} = \frac{3\sqrt{7}}{7}$ is true, then $a = ?$ **Explain.**

If $20\sqrt{3} \cdot 7\sqrt{a} = 14\sqrt{b} \cdot 5\sqrt{48}$, then what is one possible value of ab ? **Explain.**

100 Level

Using the digits 1-9 at most one time each, create a sequence that is in numerical order and cannot be simplified anymore. **Explain.**

$$\square\sqrt{\square}, \square\sqrt{\square}, \square\sqrt{\square}$$