

Unit 8 Review

Day of Test

Simplify the Radical Expression

- $\sqrt{125}$

Simplify the Radical Expression

- $\sqrt{32x^5}$

Simplify the Radical Expression

- $\sqrt{2} \cdot 3\sqrt{6}$

Simplify the Radical Expression

- $\sqrt{2}(\sqrt{10} - 3\sqrt{2})$

Simplify the Radical Expression

- $\sqrt{\frac{10}{4}}$

Simplify the Radical Expression

- $\sqrt{\frac{30}{2}}$

Simplify the Radical Expression

- $\sqrt{\frac{3}{2}}$

Simplify the Radical Expression

- $\sqrt{20} + 3\sqrt{5}$

Simplify the Radical Expression

- $\sqrt[3]{54x^4y^3}$

Simplify the Radical Expression

- $\sqrt[4]{32x^8y^{12}z}$

Find the missing side length

- $a = 4$, $b = 10$, $c = ?$

Is This a Right Triangle?

- Side lengths of: 6, 8, 11

Solve the Equation

- $\sqrt{2x + 1} = 4$

Solve the Equation

- $\sqrt[3]{x + 1} - 5 = 7$

Solve the Equation

- $\sqrt{x + 6} = x$