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ALGEBRA 1 · 5 MINUTES · START RIGHT AWAY

Lesson 6-2e **Write Quotients of Radical Expressions in Simplest Form**

Name _____ Date _____ Per _____

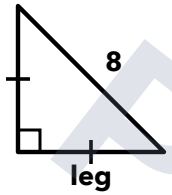
1 FLUENCY

Rationalize the denominator. Write in simplest form.

$$\frac{6}{\sqrt{3}} = \square$$

2 VISUAL MODEL

In the isosceles right triangle, each leg is $\frac{8}{\sqrt{2}}$. Write the leg length in simplest form.



$$\text{leg} = \frac{8}{\sqrt{2}} \cdot \frac{\sqrt{2}}{\sqrt{2}}$$

$$= \square$$

3 APPLICATION

A rectangle has an area of 12 m² and a length of $\sqrt{6}$ m. Write its width in simplest form and to the nearest tenth.

Width = $\square$ m ≈ $\square$ m

WORK

4 REASONING

Select TWO expressions that are in simplest form.

(A) $\frac{3\sqrt{2}}{2}$ (B) $\frac{5}{\sqrt{7}}$ (C) $\sqrt{\frac{1}{3}}$ (D) $4\sqrt{5}$

*We don't divide our effort, we **multiply** it!*

✎ Show your work ✓ Check your work ★ Try your best

Preview - the full worksheet and its answer key are at primeworksheet.com