

Warm Up 5/ (The second prime number)

1. Estimate the to the nearest hundredth.
2. Write the root in simplest radical form.

$$2\sqrt{125}$$

$10\sqrt{5}$ and 22.36

Quiz tomorrow!

Estimate the Root then simplify

$$\Rightarrow (\sqrt{8})^3$$

$16\sqrt{2}$ and 22.63

Simplify

$$\Rightarrow 4\sqrt{54}$$

$12\sqrt{6}$ and 29.39

Simplify

$$\Rightarrow 2\sqrt{450}$$

$30\sqrt{2}$

Simplify.

$$\Rightarrow -7\sqrt{2} + 9\sqrt{8} + 2\sqrt{18}$$

$17\sqrt{2}$

Simplify.

$$\blacksquare 3\sqrt{10} - 2\sqrt{40} + 5\sqrt{250}$$

$$24\sqrt{10}$$

What would these equal?

$$\blacksquare \sqrt{x^2}$$

$$\blacksquare \sqrt{y^4}$$

$$\blacksquare \sqrt{z^6}$$

$$\blacksquare \sqrt{a^{50}}$$

■ An isosceles triangle has congruent sides of 20 cm. The base is 10 cm. What is the height of the triangle? Give your answer in simplest radical form and estimate the root.

$$10\sqrt{3} \text{ and } 17.32$$

Homework

■ $\frac{1}{2}$ sheet