

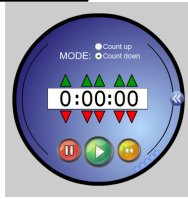
Friday, September 13

Planner

Check 2.6 HW
Learn 2.7 - Find Square Roots & Compare Real #'s

HW

2.7 Worksheet



2.7 Notes

Evaluate the Expression:

1. $\sqrt{196}$

14

2. $-\sqrt{2500}$

-50

3. $+/-\sqrt{4}$

± 2 $2 \times 2 = 4$
 $-2 \times -2 = 4$

Approximate the square root to the nearest whole #:

4. $-\sqrt{19}$

-4.35
 ≈ -4

5. $+/-\sqrt{150} = 12.24$

$\approx \pm 12$

Tell whether each # in the list is a real #, a rational #, an irrational #, an integer, or a whole #. Then order from least to greatest.

0.321321321...
0.321

6. $\sqrt{8}, \frac{2}{5}, -1, 0.6, \sqrt{6}$

$\pi = 3.14, \frac{2}{5}, 16, 25$

	Real #	Irrational #	Rational #	Integer	Whole #
2.8284... ^{√8}	✓	✓			
$\frac{2}{5}$	✓		✓		
-1	✓		✓	✓	
0.6	✓		✓		
2.449498... ^{√6}	✓	✓			

<http://www.youtube.com/watch?v=m94WTZP14SA>

Tell whether each # in the list is a real #, a rational #, an irrational #, an integer, or a whole #. Then order from least to greatest.

6. $\sqrt{8}, \frac{2}{5}, -1, 0.6, \sqrt{6}$

-1, $\frac{2}{5}, 0.6, \sqrt{6}, \sqrt{8}$

Evaluate the Expression.

7. $-4(\sqrt{x}) - 10$, when $x = 144$

$-4(\sqrt{144}) - 10$

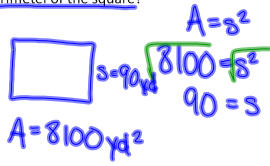
$-4(12) - 10$

$-48 - 10$

-58

Problem Solving:

8. The area of a square is 8100 square yards.
What is the side length of the square? What
is the perimeter of the square?



$$\begin{aligned} P &= 4s \\ P &= 4(90) \\ P &= 360 \text{ yd} \end{aligned}$$