

## which one is irrational? a) $\sqrt{25} = 5$ (b) $\sqrt{50}$ c) $\sqrt{100} = 10$ d) $\sqrt{400} = 20$

### SECTION 10.2 DAY 1 RATIONAL EXPONENTS

SWBAT:

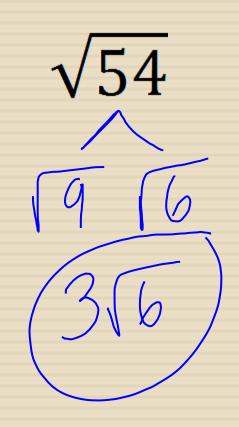
write expressions with exponents in radical form.Simplify expressions in radical or exponent form.

#### **Examples**:

# List perfect squares > 1: 1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144 169, 196, 225

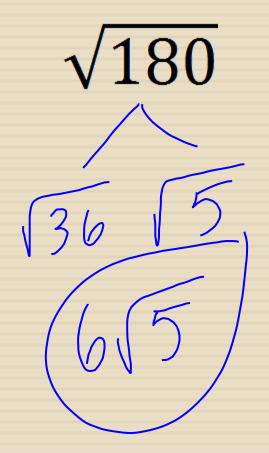
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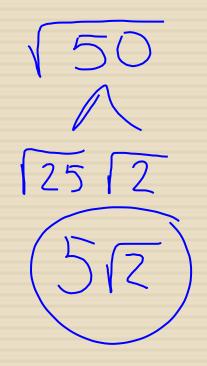
#### List perfect squares > 1: 1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144



Simplify  $\sqrt{2} \cdot \sqrt{14}$ 128 1417

Simplify

 $\sqrt{5} \cdot \sqrt{10}$ 



Simplify  $\sqrt{6} \cdot \sqrt{8}$ 148

Simplify

 $4\sqrt{2} \cdot 5\sqrt{6}$ 20/12 201413 20.23 03

 $-3\sqrt{3}\cdot\sqrt{6}$ -3/18 -31912 -3.3/2 9/2)

#### HOMEWORK



# Section 10.2 #'s 18-26 evens