## Classify sums:

Rational + Rational = Rat.  

$$\sqrt{16} + \sqrt{4} = 6$$
 $\sqrt{1.3} + \sqrt{25} = 6.3$ 
Unit 5

Irrational + Irrational = Tee

NEX CHILIPPIN

Rational + Irrational = Tr

## **Classify Products:**

Rational \* Rational = 
$$R_{44}$$

USE CACUMINE

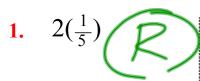
Irrational \* Irrational = 
$$IPP \text{ or } R$$

$$\int 3 \cdot \int ID \approx IPR$$

$$\int ID \cdot \int ID = IO \text{ RAT}$$

Rational \* Irrational = TRR

You try: Simplify and classify each expression as r



**2.** 
$$\sqrt{6} \cdot \sqrt{3}$$

3. 
$$\sqrt{3} \cdot \sqrt{12}$$

4. 
$$5(\sqrt{2})$$

5. 
$$\sqrt{7} + \sqrt{7}$$

6. 
$$5 + \sqrt{12}$$