

Name:

ANSWERS!

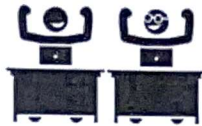
Class:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

Classify each of the below either "R" for a rational number or "I" for an irrational number.

5 (R)

-2 (R)

0 (R)

-0.2 (R)

-1 (R)

$\sqrt{0.25} = 0.5$ (R)

$\frac{1}{3}$ (R) } SAME NUMBER!

$\sqrt{\frac{1}{9}} = \frac{1}{3}$ (R)

$0.\bar{3}$ (R)

$\sqrt{\frac{25}{49}} = \frac{5}{7}$ (R)

$-2.\bar{54}$ (R)

$\sqrt{50}$ (I)

$\sqrt{\frac{16}{100}} = \frac{4}{10} = \frac{2}{5}$ (R)

$\sqrt{49} = 7$ (R)

$\sqrt{48}$ (I)

$\sqrt{\frac{81}{99}} = \frac{9}{\sqrt{99}}$ (I)

$3\sqrt{100}$ $3 \times 10 = 30$ (R)

$\sqrt{33}$ (I)

-0. $\bar{6}$ (R)

$$\sqrt[3]{27} = 3 \text{ (R)}$$

$$\sqrt[3]{30} \text{ (I)}$$

$$-9 \text{ (R)}$$

$$\pi \text{ (I)}$$

$$9\pi \text{ (I)}$$

$$\frac{1}{2} \text{ (R)}$$

$$-\frac{10}{7} \text{ (R)}$$

$$4\frac{2}{3} \text{ (R)}$$

$$4.\bar{6} \text{ (R)}$$

$$-2.\bar{54} \text{ (R)}$$

$$\sqrt{10} \text{ (I)}$$

$$1,200,000 \text{ (R)}$$

$$\sqrt[3]{8} = 2 \text{ (R)}$$

$$\sqrt{8} \text{ (I)}$$

> same number

$$\sqrt[3]{0.1} \text{ (I)}$$

$$\sqrt[3]{0.001} = 0.1 \text{ (R)}$$

$$\sqrt{\frac{9}{64}} = \frac{3}{8} \text{ (R)}$$

$$\sqrt{\frac{3}{9}} = \frac{\sqrt{3}}{3} \text{ (I)}$$

$$\sqrt{\frac{4}{100}} = \frac{2}{10} = \frac{1}{5} \text{ (R)}$$

$$\frac{\pi}{2} \text{ (I)}$$

$$\sqrt{\pi} \text{ (I)}$$

$$\pi^2 \text{ (I)}$$

$$-\frac{1}{4} \text{ (R)}$$

$$\frac{11}{7} \text{ (R)}$$

$$\frac{11}{7} \text{ (R)}$$

$$\sqrt{\frac{36}{55}} = \frac{6}{\sqrt{55}} \text{ (I)}$$