

Rational Numbers and Irrational Numbers

A) 1) If the number t is rational, then $8 - t$ is _____.

2) If $a = \sqrt{4}$ and $b = 0$ then $a \cdot b$ is _____.

a) rational

b) irrational

a) rational

b) irrational

3) When a rational number is divided by another nonzero rational number, the result is _____.

The sum of a rational number and an irrational number is _____.

a) rational

irrational

5) When _____ is added to an _____, the result is _____.

_____ is added to an _____, the result is _____.

a) rational

b) irrational

B) Identify whether the number is rational or irrational.

1) $2.7 \div 2.7$ _____

3) $\pi + (-1)$ _____

5) $0 \cdot \frac{7}{8}$ _____

6) $\sqrt{8} - 2$ _____

7) $\sqrt{81} - 9$ _____

8) $\pi \div \frac{3}{5}$ _____

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