



## Number Types (Real) - Set Builder Definition to Number - Whole, Natural, Integer, Rational, Irrational Numbers

1 Which number would be included in this set definition

$$\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$$

A  $\frac{\sqrt{2}}{8}$

B  $-6.\overline{7}$

C  $\frac{0}{8}$

2 Which number would be included in this set definition

$$\{x \mid x \in \mathbb{N}\}$$

A  $\frac{18}{6}$

B  $\frac{\sqrt{3}}{6}$

C  $\frac{16}{25}$

3 Which number would be included in this set definition

$$\{x \mid x \in \mathbb{Q}\}$$

A  $\frac{\sqrt{53}}{1}$

B  $\frac{\sqrt{67}}{1}$

C  $0.\overline{5}$

4 Which number would be included in this set definition

$$\{x \mid x \in \mathbb{W}\}$$

A  $\frac{0}{7}$

B  $\frac{36}{49}$

C  $0.\overline{11}$