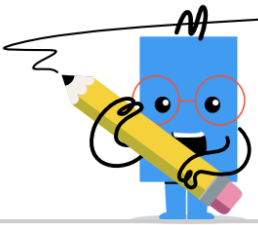
Name



Number Types (Complex) - Set Builder Definition to Classification - Real, Imaginary, and Complex Numbers

1 What type of number does this set definition represent

$$\{a+bi \mid a,b \in \mathbb{R}, b\neq 0\}$$

A	Real Number	B	Natural Number
C	Whole Number	D	Imaginary Number

2 What type of number does this set definition represent $\{x \mid x \in \mathbb{R}\}$

A	Natural Number	B	Real Number
C	Irrational Number	D	Whole Number

3 What type of number does this set definition represent

$$\{a+bi \mid a,b \in \mathbb{R}\}$$

A	Natural Number	B	Complex Number
C	Whole Number	D	Rational Number

4 What type of number does this set definition represent $\{x \mid x \in \mathbb{N}\}$

A	Natural Number
B	Irrational Number

5 What type of number does this set definition represent $\{x \mid x \in \mathbb{W}\}$

A	Irrational Number
B	Whole Number

6 What type of number does this set definition represent $\{x \mid x \in \mathbb{Q}\}$

A	Natural Number	B	Irrational Number
C	Rational Number	D	Whole Number

7 What type of number does this set definition represent $\{bi \mid b \in \mathbb{R}, b\neq 0\}$

A	Real Number	B	Rational Number
C	Irrational Number	D	Pure Imaginary Number

8 What type of number does this set definition represent

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

A	Irrational Number	B	Rational Number
C	Whole Number	D	Natural Number