



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

<b>1</b> What type of number does this set definition represent $\{x \mid x \in \mathbb{W}\}$		What type of number does this set definition represent $\{x \mid x \in \mathbb{N}\}$	
A	Irrational Number	A	Natural Number
B	Whole Number	B	Irrational Number
<b>3</b> What type of number does this set definition represent $\{x \mid x \in \mathbb{R}\}$		<b>4</b> What type of number does this set definition represent $\{x \mid x \in \mathbb{Q}\}$	
A	Whole Number	A	Natural Number
B	Irrational Number	B	Whole Number
C	Natural Number	C	Irrational Number
D	Real Number	D	Rational Number
<b>5</b> What type of number does this set definition represent $\{bi \mid b \in \mathbb{R}, b \neq 0\}$		<b>6</b> What type of number does this set definition represent $\{x \mid x \in \mathbb{R}, x \notin \mathbb{Q}\}$	
A	Whole Number	A	Rational Number
B	Real Number	B	Irrational Number
C	Rational Number	C	Natural Number
D	Pure Imaginary Number	D	Whole Number
<b>7</b> What type of number does this set definition represent $\{a + bi \mid a, b \in \mathbb{R}\}$			
A	Whole Number		
B	Complex Number		
C	Rational Number		
D	Natural Number		