

## 5.4 Answers ( 5.3 Exercise )

### Answer 1

( i )  $3 < x < 6$

( ii )  $4 < x < 7$

( iii )  $-2 < x \leq 9$

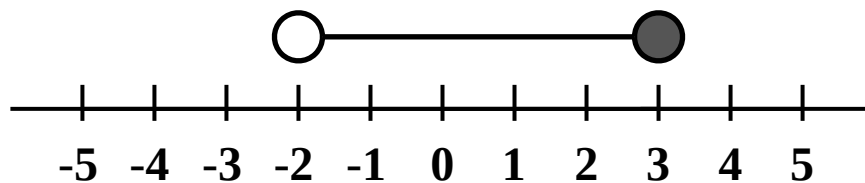
( iv )  $1 \leq x \leq 6$

( v )  $10 \leq x < 36$

( vi )  $-30 \leq x < 250$

### Answer 2

( a )

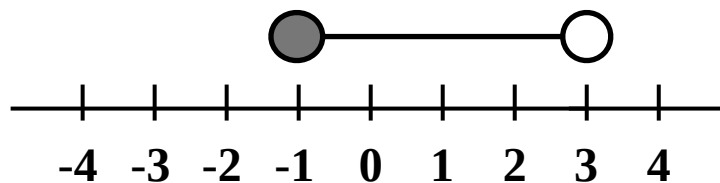


( b )  $n \in \{ -1, 0, 1, 2, 3 \}$

### Answer 3

( i )  $-1 \leq x < 3$

( ii )



### Answer 4

$x \in \{ -3, -2, -1, 0, 1, 2 \}$

### Answer 5

$x > 1.6$

### Answer 6

( i )  $x \leq 4$

( ii )  $1, 2, 3, 4$

### Answer 7

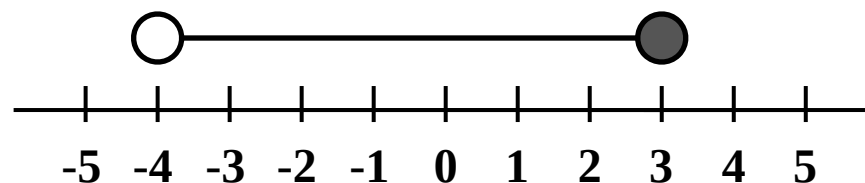
( i )  $-1.5 < x < 2$

( ii )  $-1, 0, 1$

### Answer 8

( i )  $-4 < x \leq 3$

( ii )



**Answer 9**

$$x < 1.5$$

**Answer 10**

(i)  $2 \leq x < 4$

(ii)  $-11 < x \leq 3$

(iii)  $-20 \leq x < 16$

(iv)  $7 \leq x \leq 22$

(v)  $-10 < x \leq -3$

(vi)  $-13 < x \leq 1$

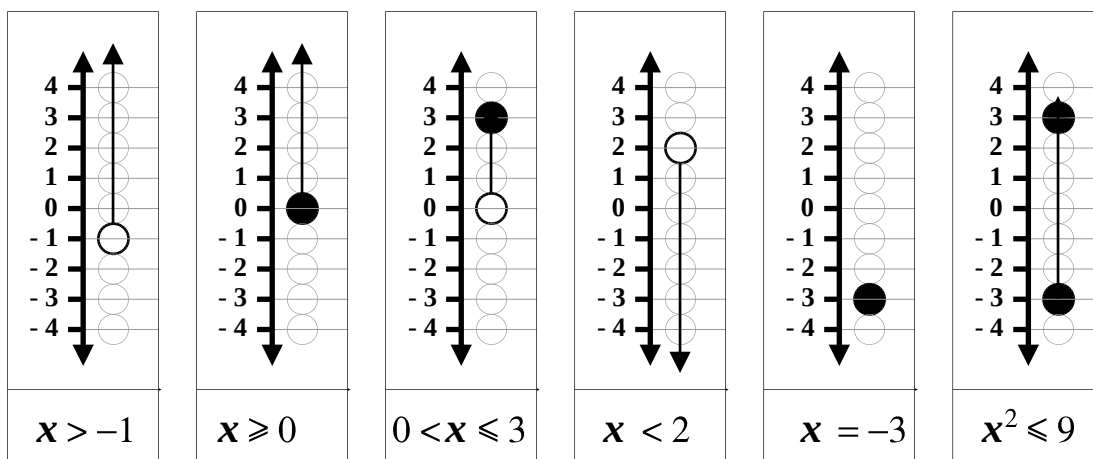
**Answer 11**

(i)  $x \in \{ -4, -3, -2, -1, 0, 1, 2, 3, 4 \}$

(ii)  $-5 < y < 5$

**Answer 12**

$$-3 < y < 3$$

**Answer 13****Answer 14**

(i)  $x \geq -3.5$

(ii)  $x \in \{ -3, -2, -1 \}$

**Answer 15**

(a)  $-4 \leq x < 3$

(b) (i)  $x > -4$  (ii)  $n \in \{ -3, -2, -1 \}$

**Answer 16**

(i)  $x \in \{ 2, 4 \}$

(ii)  $x \in \{ 1, 4, 9 \}$

(iii)  $x \in \{ 2, 3, 5, 7, 11, 13, 17 \}$