



### Angles Ex 11.2 Q1

**Answer :**

Two examples of right angle in our environment are:

- (i) The angle formed by the two adjacent walls of a room is a right angle.
- (ii) The angle formed by the two adjacent edges of a book is a right angle.

Two examples of acute angle in our environment are:

- (i) The angle formed between the two adjacent fingers of our hand.
- (ii) The angle between the two adjacent sides of the letter Z of English alphabet.

Two examples of obtuse angle in our environment are:

- (i) The smaller angle formed by the two adjacent blades of a fan.
- (ii) The smaller angle formed by the two sloping sides of a roof of a hut is an obtuse angle.

### Angles Ex 11.2 Q2

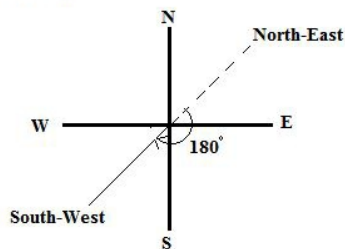
**Answer :**

Angle formed by two adjacent fingers will appear as an acute angle.

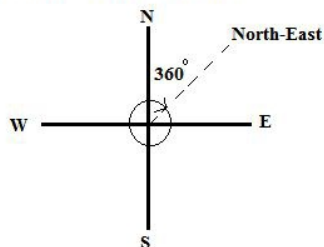
### Angles Ex 11.2 Q3

**Answer :**

- (i) If Shikha turns through a straight angle or 180 degrees, she will be rowing along the south-west direction.



- (ii) If Shikha turns through a complete angle or 360 degrees, she will be rowing along her original direction, i.e., north-east direction.

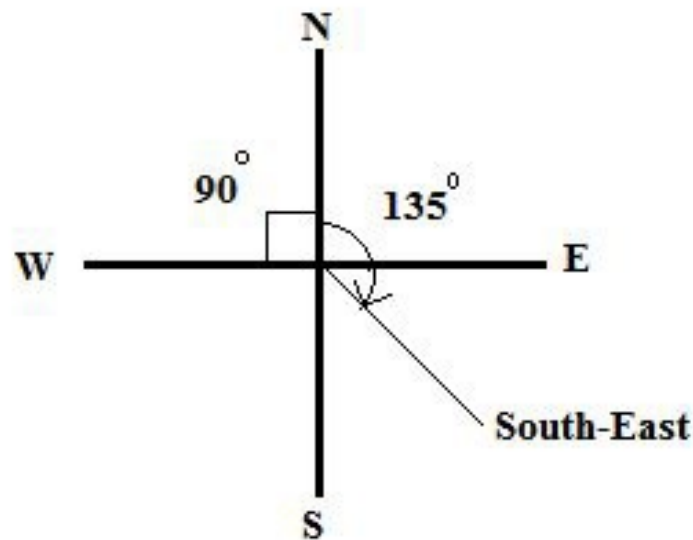


### Angles Ex 11.2 Q4

**Answer :**

The measure of the angle between:

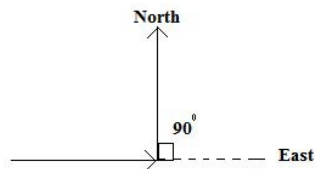
- (i) North and west is  $90^\circ$ .
- (ii) North and South is  $180^\circ$ .
- (iii) North and South-East is  $135^\circ$ .



Angles Ex 11.2 Q5

**Answer :**

If a ship is sailing in east direction and turns to north direction, it turns through an angle of 90 degrees.



Angles Ex 11.2 Q6

**Answer :**

After making a quarter turn or a turn of  $90^\circ$ , I will be facing east if I turn to my right hand. Similarly, if I turn to my left hand, I will be facing west.

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