



Angles Ex 11.1 Q1

**Answer :**

Three examples of angles from our environment are:

- (i) Angle formed by the minute and hour hands of an analog clock
- (ii) Angle formed by the two adjacent walls of a room
- (iii) Angle formed by the two adjacent fingers of our hand

Angles Ex 11.1 Q2

**Answer :**

Arms of  $\angle LMP$  are MP and ML. Further, its vertex is M.

Angles Ex 11.1 Q3

**Answer :**

- (i) Three angles are formed, namely  $\angle ABC$ ,  $\angle BAC$  and  $\angle ACB$ .
- (ii) Four angles are formed, namely  $\angle ABC$ ,  $\angle ADC$ ,  $\angle BCD$  and  $\angle BAD$ .
- (iii) Eight angles are formed namely,  $\angle ADC$ ,  $\angle ACD$ ,  $\angle DAC$ ,  $\angle ACB$ ,  $\angle ABC$ ,  $\angle BAC$ ,  $\angle BCD$  and  $\angle BAD$ .

Angles Ex 11.1 Q4

**Answer :**

- (i) Points J and C lie in the interior of  $\angle P$ .
- (ii) Points D and B lie in the exterior of  $\angle P$ .
- (iii) Points A, P and M lie on  $\angle P$ .

Angles Ex 11.1 Q5

**Answer :**

- (i) Another name for  $\angle 1$  is  $\angle BOD$ .
- (ii) Another name for  $\angle 2$  is  $\angle BOC$ .
- (iii) Another name for  $\angle 3$  is  $\angle AOC$ .
- (iv) Another name for  $\angle 4$  is  $\angle AOD$ .

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