



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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