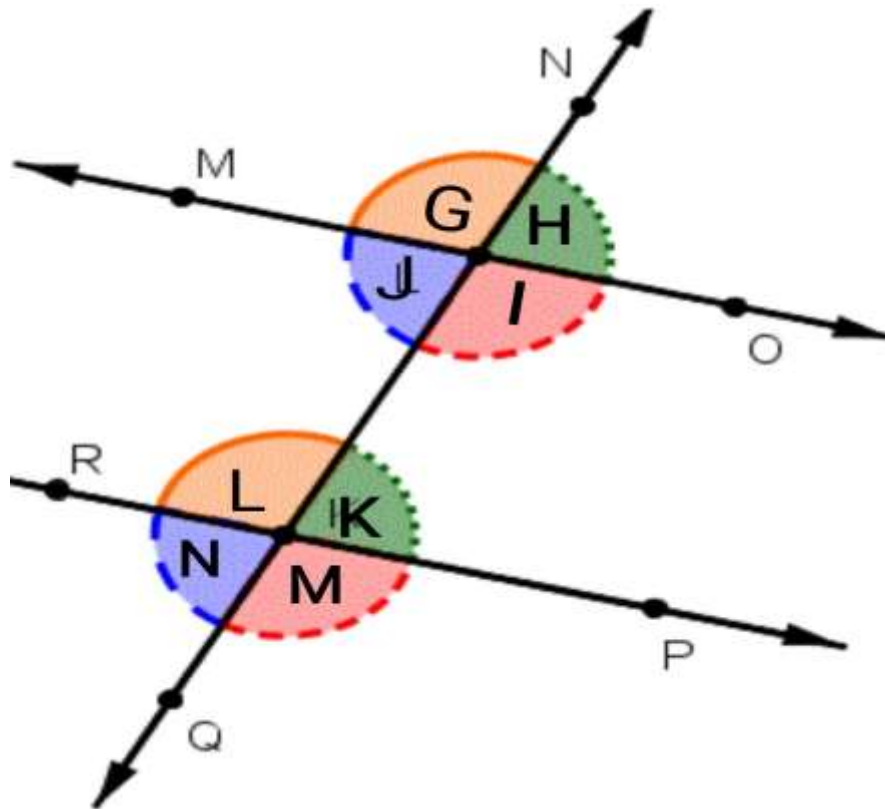Worksheet -5   Subject: - Mathematics   Class: - VII   Teacher: - Ms. Neeru

Name: _____ Class & Sec: _____ Roll No. _____ Date: 06.08.2020

Name

1. Corresponding Angle of H

2. VOA of L

3. Alternate Interior Angle of J

4. Co- Interior Angle of K

5. Alternative Exterior angle Of N
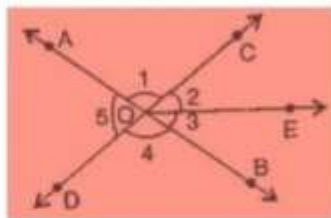
Answers.

1. K

2. M

3. K

4. I

5. H

Question 9

In the adjoining figure:

(i) Is $\angle$ 1 adjacent to $\angle$ 2?

(ii) Is $\angle$ AOC adjacent to $\angle$ AOE?

(iii) Do $\angle$ COE and $\angle$ EOD form a linear pair?

(iv) Are $\angle$ BOD and $\angle$ DOA supplementary?

(v) Is $\angle$ 1 vertically opposite to $\angle$ 4?

(vi) What is the vertically opposite angle of $\angle$ 5?
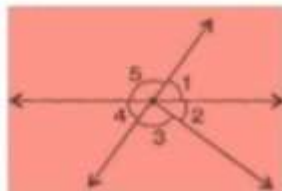

Answer 9:

(i) Yes, in $\angle$ AOE, OC is common arm.

(ii) No, they have no non-common arms on opposite side of common arm.

(iii) Yes, they form linear pair.

(iv) Yes, they are supplementary.

(v) Yes, they are vertically opposite angles.

(vi) Vertically opposite angles of $\angle$ 5 is $\angle$ COB.

Question 10

Indicate which pairs of angles are:

(i) Vertically opposite angles?

(ii) Linear pairs?

Answer 10:

(i)   Vertically opposite angles $\angle$1 and $\angle$ 4; $\angle$ 5 and $\angle$ 2 + $\angle$ 3.

(ii)   Linear pairs $\angle$ 1 and $\angle$ 5; $\angle$ 5 and $\angle$ 4.