

## Lines and angles Ex 14.1 Q13 Answer:

Two adjacent angles are said to form a linear pair of angles if their non-common arms are two

 $\angle 1$  and  $\angle 2$ 

 $\angle 2$  and  $\angle 3$ 

 $\angle 3$  and  $\angle 4$ 

 $\angle 1$  and  $\angle 4$ 

 $\angle$ 5 and  $\angle$ 6

 $\angle 6$  and  $\angle 7$ 

 $\angle 7$  and  $\angle 8$ 

 $\angle 8$  and  $\angle 5$ 

∠9 and ∠10

∠10 and ∠11

∠11 and ∠12

∠12 and ∠9

Two angles formed by two intersecting lines having no common arms are called vertically opposite angles

 $\angle 1$  and  $\angle 3$ 

 $\angle 4$  and  $\angle 2$ 

 $\angle 5$  and  $\angle 7$ 

 $\angle 6$  and  $\angle 8$ 

∠9 and ∠11

 $\angle$ 10 and  $\angle$ 12

Lines and angles Ex 14.1 Q14

## Answer:

Since OE is the bisector of ∠BOD,

Lines and angles Ex 14.1 Q15

## Answer:

One angle of a linear pair is the right angle, i.e., 90°.

$$\therefore$$
 The other angle =  $180^{\circ} - 90^{\circ} = 90^{\circ}$ 

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