

# Mathematics

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(Chapter – 6) (Lines and Angles)(Exemplar Problems)

(Class – IX)

## Exercise 6.2

### Question 8:

If one of the angles formed by two intersecting lines is a right angle, what can you say about the other three angles? Give reason for your answer.

### Answer 8:

Let two intersecting lines  $l$  and  $m$  makes a one right angle, then it means that lines  $l$  and  $m$  are perpendicular each other.

By using linear pair axiom, other three angles will be a right angle.

