

# Mathematics

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

(Class – IX)

## Exercise 6.2

### Question 3:

Can a triangle have two obtuse angles? Give reason for your answer.

### Answer 3:

No, because if the triangle have two obtuse angles i.e., more than  $90^\circ$  angle, then the sum of all three angles of a triangle will be greater than  $180^\circ$  (not be equal to  $180^\circ$ ).

Hence, it will not be a triangle.

