

Mathematics

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

(Class – IX)

Exercise 6.2

Question 1:

For what value of $x + y$ in Fig. 6.4 will ABC be a line? Justify your answer.

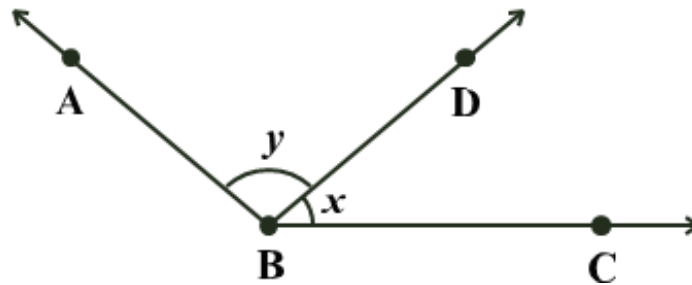


Fig. 6.4

Answer 1:

For ABC to be a line, the sum of the two adjacent angles must be 180° or angle ABD and angle DBC must form a linear pair. i.e., $x + y = 180^\circ$

