

CLASS:12

CHAPTER:3-D GEOMETRY

TOPIC: DIRECTION-COSINES OF A LINE

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Question 1. If a line has the direction-ratios $-18, 12, -4$, then what are its direction-cosines. (C B S E 2019)

Question 2. If a line makes angles of $90^\circ, 60^\circ$ and 30° with the positive x, y and z -axis respectively. Find its direction-cosines.

Question 3. Find the direction-cosines of the line joining the points $(-2, 4, -5)$ and $(1, 2, 3)$.

Question 4. Find the direction-ratios and direction-cosines of the line joining the points $(-2, 1, 0)$ and $(3, 2, 1)$.