Assignment 2

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Outline

Question

Solution

Question

ICSE 12 2019 Q17(b)

Find the equation of the line passing through the point (2,1,3) and perpendicular to the lines $\frac{x-1}{1} = \frac{y-2}{2} = \frac{z-3}{3}$ and $\frac{x}{-3} = \frac{y}{2} = \frac{z}{5}$



Solution

The direction ratios of the required line = $\langle 2, -7, 4 \rangle$ And the point (2,1,3) lies on the line. Therefore equation of line is given by $\frac{x-2}{2} = \frac{y-1}{-7} = \frac{z-3}{4}$

