

(b)Find the angle between the plane 2x - y + z + 7 = 0 and the line  $\frac{x}{1} = \frac{y}{-2} = \frac{z+1}{2}$ .

Also, find the point of intersection.

(c)Write the equation of the plane that passes through the points:

(2, 1, 2), (1, 1, 4), (3, 0, 1).

4

4