

BCM SCHOOL BASANT AVENUE FUGRI ROAD LUDHIANA		
ASSIGNMENT OF CLASS XISC		
1	The distance of the point P (1, - 3) from the line $2y - 3x = 4$ is (A) $\sqrt{13}$ (B) $\frac{1}{\sqrt{13}}$ (C) $\sqrt{13}$ (D) 13	1
2	The intercept cut off by a line from y-axis is twice than that from x-axis, and the line passes through the point (1, 2). The equation of the line is (A) $2x + y = 4$ (B) $-2x + y = 4$ (C) $2x + y = -4$ (D) $2x - y = 4$	1
3	Show that the points A(a, 0), B (0, b) and C(3a - 2b) are collinear	2
4	Find k so that the line $2x + ky - 9 = 0$ may be perpendicular to $2x + 3y - 1 = 0$	2
5	Assuming that straight lines work as the plane mirror for a point, find the image of the point (1,2) in the line $x - 3y + 4 = 0$	2
6	Find the equations of the lines which pass through the point (4, 5) and make equal angles with the lines $5x - 12y + 6 = 0$ and $3x - 4y - 7 = 0$	3
7	A line is such that its segment between the lines $5x - y + 4 = 0$ and $3x + 4y - 4 = 0$ is bisected at the point (1, 5) obtain its equation.	4