<22103>: <BMS>: <Basic Mathematics>: <Straight Line >: <CO 3>: <Assessments>: < Summative >

<Mr. V.B. Shinde

Assessment Type: Summative: End of CO: in LMS

Summative: Q 1	Summative: Q 2	Summative: Q 3	Summative: Q 4	Summative: Q 5
Find slope of a line through points (1, 2) and (3, 8).	The equation of straight line passes through the points (3, 5) and (4, 6) is …	The slopes of two lines are $\frac{-5}{6}$ and $\frac{1}{11}$ then the angle between the lines is …	Find the distance between the lines, 3x + 2y + 6= 0 and 9x + 6y -7=0 .	Find the length of perpendicular from the point (– 1, 1) on the line 3(x - 2) = 4(y +3).
Recall/ Remembering	Understanding	Application	Understanding	Application
a) –5	a) y–x–2=0	a) 30°	a) $\frac{5}{\sqrt{13}}$ units	a) 5 Units
b) 5	b) x – y– 2=0	b) 90°	b) $\frac{25}{3\sqrt{13}}$ units	b) 6 Units
c) 3	c)) x + y +2=0	c) 45°	c) $\frac{3}{\sqrt{13}}$ units	c) 2 Units
d) –3	d) x – y + 2=0	d) 60°	d) $\frac{3}{5\sqrt{13}}$ units	d) 8 Units

Ans: <c>	Ans: <d>	Ans: <c>	Ans: <b>	Ans:<a>

Assessment Type: Practice Worksheets: End of CO: in LMS/ downloadable PDF

If students have access to laptop/ desktop – they can answer it on LMS, else download it and answer it and file it for later use. They can also copy the question in their notebook in case the space provided is insufficient.

1. Best suited for subjective questions.
2. Numerical problems
3. Short answer questions

A)Find the equation of straight line passing through the points (3,4) and (5, 6)	**B)** Find the equation of line passing through (2,3) and having slope $\frac{1}{2}$ units.
A) Solution:	B) Solution:

C) Find the acute angle between the lines $x - 2y + 5 = 0$ and $7x + y - 10 = 0$.	D) Find the length of the perpendicular on the line $6x + 8y - 45 = 0$ from the point $(0, \frac{5}{4})$
C) Solution:	D) Solution:
E) Find the distance between the parallel lines $5x - 12y + 1 = 0$ and $10x - 24y - 1 = 0$.	F) Find the acute angle between the lines $y = 5x + 6$ and $y = x$

E) Solution:	F) Solution:
G) Find the length of the perpendicular from the point (5, 4) on the straight line $2x + y = 34$.	H) Find the distance between the lines $5x - 2\sqrt{6}\,y + 1 = 0$ and $5x - 2\sqrt{6}\,y - 10 = 0$

G) Solution:	H) Solution: