<22103>: <BMS>: <Basic Mathematics>: <Straight Line >: <UO 3.1>: <Assessments>: <Formative>

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Assessment Type: Formative Assessments: Embedded questions in video

Set 1: Question No 1	Set 1: Question No 2	Set 1: Question No 3
Find the slope of $3x - 4y = 24$	State the condition for parallel lines, whose slopes are m_1 and m_2.	Find the acute angle between the lines whose slopes are $\sqrt{3}$ and $\dfrac{1}{\sqrt{3}}$
Recall/ Remembering	Understanding	Application
a) $\dfrac{3}{4}$	a)$m_1 = m_2$	a) 60°
b) $\dfrac{3}{2}$	b) $m_1 + m_2 = -1$	b) 90°
b) $\dfrac{1}{2}$	c) $m_1 \cdot m_2 = -1$	c) 45°
c) $\dfrac{-3}{4}$	d) $m_2 = -m_1$	d) 30°
Ans: <a>	Ans: <a>	Ans: <d>

Set 2: Question No 1	Set 2: Question No 2	Set 2: Question No 3
State the condition for perpendicular lines, whose slopes are m_1 and m_2.	Find slope of line perpendicular to the line $2x + 5y -3 =0$	Find the angle between the line $3x-4y=420$ and $4x +3y =420$
Recall/ Remembering	Understanding	Application
a)$m_1=m_2$	a) $\frac{-2}{5}$	a) 90°
b) $m_1 + m_2 = -1$	b) $\frac{2}{5}$	b) 60°
c) $m_1 \cdot m_2 = -1$	c) $\frac{5}{2}$	c) 45°
d) $m_2 = -m_1$	d) $\frac{-5}{2}$	d) 30°
Ans: <c>	Ans: <c>	Ans: <a>