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 $\frac{1}{\sqrt{3}}$
Recall/ Remembering	Understanding	Application
a) $\frac{3}{4}$	a) $m_1 = m_2$	a) $60°$
b) $\frac{3}{2}$	b) $m_1 + m_2 = -1$	b) $90°$
b) $\frac{1}{2}$	c) $m_1 \cdot m_2 = -1$	c) $45°$
c) $\frac{-3}{4}$	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>

Set 1: Question No 1	Set 1: Question No 2	Set 1: Question No 3
Find the slope of a line through points (– 1, – 2) and (– 3, 8).	Find y-intercept of the line $5x - 4y + 7 = 0$.	Find the equation of line passing through (2, 5) and having slope $\frac{-4}{5}$
Recall/ Remembering	Understanding	Application
a)– 4	a) $\frac{7}{4}$	a) 5x + 4y – 17=0
b)– 7	b) $\frac{5}{4}$	b) 4x + 5y +17=0
C)– 5	c)$\frac{3}{4}$	c) 4x – 5y – 17=0
d)– 1	d) 8	d) 4x + 5y – 33=0
Ans: <c>	Ans: <a>	Ans: <d>

Set 2: Question No 1	Set 2: Question No 2	Set 2: Question No 3
Find x-intercept of $6x - 4y - 3=0$.	Find the equation of straight line passes through the points (2, 3) and (1, - 1).	Find the equation of the line whose x-intercept is -3 and y intercept is 4.
Recall/ Remembering	Understanding	Application
a) $\frac{3}{2}$	a) $4x + y - 5=0$	**a**) $4x - 3y + 12=0$
b) $\frac{1}{2}$	b) $4x + y + 5=0$	**b)** $4x - 3y - 12=0$
c) $\frac{-3}{4}$	c) $x - 4y - 5=0$	c) $4x + 3y + 12=0$
d) $-\frac{7}{4}$	d) $4x - y - 5=0$	**d)** $3x + 4y + 12=0$
Ans: <b >	Ans: <d>	Ans: <a>

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Set 1: Question No 1	Set 1: Question No 2	Set 1: Question No 3
State the condition for parallel lines, whose slopes are m_1 and m_2.	Find the value of m, If the two lines $3mx - 2my - 10 = 0$ and $(5m + 2)x - 4my - 28 = 0$ are parallel.	Find the distance between the parallel lines $3x + 2y + 6 = 0$, $9x + 6y - 7 = 0$
Recall/ Remembering	Understanding	Application
a) $m_1 = m_2$	a) m=3	a) $\frac{9}{2\sqrt{13}}$ units
b $m_1 + m_2 = -1$	b) m=2	b) $\frac{31}{3\sqrt{13}}$ units
c) $m_1 \cdot m_2 = -1$	c) m=4	c) $\frac{9}{\sqrt{10}}$ units
d) $m_2 = -m_1$	d) m=7	d) $\frac{25}{3\sqrt{13}}$ units
Ans: <a>	Ans: <b>	Ans: <d>

Set 2: Question No 1	Set 2: Question No 2	Set 2: Question No 3
Which of the following types the straight line represented by 2x + 3 y – 7 = 0, 2x +3y – 5 =0.	Find the distance between the parallel lines 2x -3y +7=0, 2x -3y -6= 0	Find the distance between the parallel lines y = 2x + 4, 3y =6x –5
Recall/ Remembering	Understanding	Application
a) Parallel to each other	a) $\sqrt{13}$	a) 1
b) Perpendicular to each other	b) $\sqrt{14}$	b) $\frac{17}{3\sqrt{5}}$
c) Inclined at 45° to each other	c) $\sqrt{15}$	c) $\frac{17\sqrt{5}}{15}$
d) Coincident pair of straight lines	d)) $\sqrt{16}$	d) $\frac{17}{\sqrt{3}}$
Ans: <a >	Ans: <a>	Ans: <b>

Q 1	Q 2	Q 3	Q 4	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>