

Question	Scheme	Marks	AOs
4	States gradient of $4y - 3x = 10$ is $\frac{3}{4}$ oe or rewrites as $y = \frac{3}{4}x + \dots$	B1	1.1b
	Attempts to find gradient of line joining $(5, -1)$ and $(-1, 8)$	M1	1.1b
	$= \frac{-1-8}{5-(-1)} = -\frac{3}{2}$	A1	1.1b
	States neither with suitable reasons	A1	2.4
		(4)	

(4 marks)

Notes

B1: States that the gradient of line l_1 is $\frac{3}{4}$ or writes l_1 in the form $y = \frac{3}{4}x + \dots$

M1: Attempts to find the gradient of line l_2 using $\frac{\Delta y}{\Delta x}$ Condone one sign error Eg allow $\frac{9}{6}$

A1: For the gradient of $l_2 = \frac{-1-8}{5-(-1)} = -\frac{3}{2}$ or the equation of $l_2 y = -\frac{3}{2}x + \dots$

Allow for any equivalent such as $-\frac{9}{6}$ or -1.5

A1: CSO (on gradients)

Explains that they are neither parallel as the gradients not equal nor perpendicular as $\frac{3}{4} \times -\frac{3}{2} \neq -1$

oe

Allow a statement in words "they are not negative reciprocals " for a reason for not perpendicular and "they are not equal" for a reason for not being parallel