

Question	Answer	Marks	AO	Guidance
3	DR Gradient of PQ is $\frac{3-0}{-1-5} = -0.5$	M1	1.1	May be implied by $\pm \frac{1}{2}$ seen used as gradient. Do not allow if reciprocal of gradient formula used.
	Equation of PQ is $y - 3 = -0.5(x + 1)$	A1	1.1	$y = -0.5x + 2.5$ or $2y + x = 5$
	Substitution method $3x - 4 = -0.5x + 2.5$	M1	1.1	Eliminates one variable leading to a value for the other variable
	$x = \frac{13}{7}, y = \frac{11}{7}$	A1	1.1	Both correct. Condone 1.86 and 1.57 or better
	Alternative elimination method for final M1A1: $3x - y = 4$ $x + 2y = 5$ $6x - 2y = 8$ or $3x - y = 4$ $x + 2y = 5$ $3x + 6y = 15$ $x = \frac{13}{7}, y = \frac{11}{7}$	M1		Attempt to match coefficients must be seen eg $6x - 2y = 8$ or $3x + 6y = 15$ leading to a value for either x or y
		A1		Both correct. Condone 1.86 and 1.57 or better
		[4]		