

10	(a)		$\frac{5-7}{11- -3}$ or $\frac{-9-5}{9-11}$ soi	M1	All signs reversed in a fraction is correct	
			$\frac{-2}{14}$ and $\frac{14}{2}$ oe	A1	Fractions may be cancelled	
			$\frac{-2}{14} \times \frac{14}{2} = -1$ oe so lines are perpendicular	A1		
				[3]		
10	(b)		PR is a diameter by angle in a semi-circle	B1	Stated Detailed reasoning required	
			$\left(\frac{-3+9}{2}, \frac{7-9}{2}\right)$	M1	allow one slip eg sign error	
			$(3, -1)$	A1		

Question	Answer	Marks	Guidance	
			[3]	