Question Number	Answer		Mark
12(a)	$\varepsilon$ = 1.50 V (accept answers in the range 1.48 V to 1.52 V)	(1)	
	Attempt to calculate gradient of graph to find $r$	(1)	
	$r = 0.75 \Omega$ (accept answers in the range 0.72 $\Omega$ to 0.78 $\Omega$ )	(1)	3
12(b)	Gradient is doubled	(1)	
	y-intercept is doubled	(1)	2
	(If no other marks scored, allow "new graph has steeper gradient <b>and</b> y-intercept has a greater value" for 1 mark)		
	(If no other marks scored, allow new values for $\varepsilon$ and $r$ , consistent with their answers to (a))		
	Total for question 12		5