2	The point A has coordinates $(-7, -1)$ and the point B has coordinates $(3, 4)$	
	(a) Find an equation of the line that passes through A and B Give your answer in the form $ax + by + c = 0$ where a, b and c are integers.	(3)
	The point C has coordinates $(-3, 7)$	
	Given that k is a constant such that $AB = kAC$	
	(b) find the value of <i>k</i>	(2)
	The point D has coordinates $(3, p)$ where p is a constant.	
	Given that CD is perpendicular to AB	
	(c) find the value of p	(3)

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	(Total for Question 2 is 8 marks)

