## A198 Simultaneous equations 2 Q1. Solve algebraically the simultaneous equations $x^2 + y^2 = 25$ y - 2x = 5

(Total for question = 5 marks)

Solve algebraically the simultaneous equations

$$2x^2 - y^2 = 17$$

$$x + 2y = 1$$

(Total for question = 5 marks)

Q3.			
Solve the simultaneous equations			
	$y = 2x^2$ $y = 20 - 3x$		
	y = 20 - 3x		
Show clear algebraic working.			

(Total for question = 5 marks)

(.)4

Solve the simultaneous equations

$$x^2 + y^2 = 26$$
$$y = 3 - 2x$$

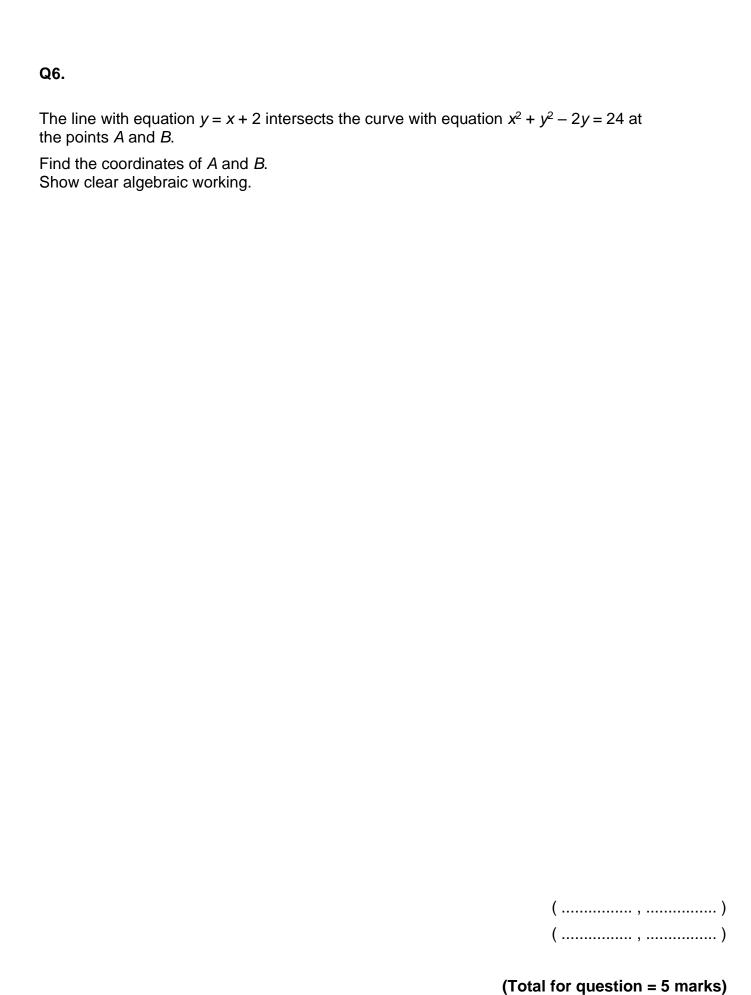
Show clear algebraic working.

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(Total for question = 6 marks)

Q5.	
Solve the simultaneous equations	$y^2 + 4x = 12$ 2x + 3y = 10
Show clear algebraic working.	

(Total for question = 6 marks)



7.	
he equation of the line <b>L</b> is $y = 9 - x$ he equation of the curve <b>C</b> is $x^2 - 3xy + 2y^2 = 0$	
and <b>C</b> intersect at two points.  ind the coordinates of these two points.	
how clear algebraic working.	

( ...... , ...... ) and ( ..... , ....... )

(Total for question = 5 marks)

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