16. (a) Factorise $2x^2 - x - 3$

....

(2)

(b) Hence write down the solutions of $2x^2 - x - 3 = 0$

....

(1)   Q16

(Total 3 marks)

Leave blank

16. (a) Solve $x^2 - 5x + 3 = 0$
Give your solutions correct to 3 significant figures.
You must show all your working.

....

(3)

Leave blank

13. (a) Solve $x^2 + 2x - 1 = 0$
Give your solutions correct to 3 significant figures.
You must show sufficient working.

....

(3)

8 (b) Solve $y^2 - 2y - 120 = 0$

$y =$ ....

(3) Q8

(Total 6 marks)

15. Solve the equation $3x^2 + 2x - 6 = 0$
Give your answers correct to 3 significant figures.

.... Q15

(Total 3 marks)

21. (a) Solve $2x^2 + 3x - 1 = 0$
Give your solution(s) correct to 3 significant figures.

....
(3)

(b) Solve $\dfrac{2}{x} - \dfrac{1}{x+1} = 1$

....
(4) Q21

(Total 7 marks)