1 (c) (i) Factorise $y^2 - 2y - 48$

.....

(2)

(ii) Hence, solve $y^2 - 2y - 48 = 0$

.....

(1)

(Total for Question 1 is 3 marks)

2 Solve $x^2 - 5x - 36 = 0$
Show clear algebraic working.

.....

(Total for Question 2 is 3 marks)

3 (b) Solve $x^2 - 3x - 40 = 0$

Show clear algebraic working.

.....

(3)

(Total for Question 3 is 3 marks)

4 (i) Factorise $x^2 + 2x - 24$

.....

(2)

(ii) Hence solve $x^2 + 2x - 24 = 0$

.....

(1)

(Total for Question 4 is 3 marks)

5 Solve $x^2 - 21x + 20 = 0$

Show your working clearly.

.....

(Total for Question 5 is 3 marks)

6 (b) (i) Factorise $x^2 + 5x - 36$

.....

(2)

(ii) Hence, solve $x^2 + 5x - 36 = 0$

.....

(1)

(Total for Question 6 is 3 marks)

7 (b) (i) Factorise $x^2 + 8x - 9$

.....

(2)

(ii) Hence, solve $x^2 + 8x - 9 = 0$

.....

(1)

(Total for Question 7 is 3 marks)

8 (i) Factorise $x^2 + 5x - 24$

.....

(2)

(ii) Hence, solve $x^2 + 5x - 24 = 0$

.....

(1)

(Total for Question 8 is 3 marks)

9 (a) Solve the inequality $5x - 7 \leqslant 2$

.....

(2)

(b) (i) Factorise $y^2 - 2y - 35$

.....

(2)

(ii) Hence, solve $y^2 - 2y - 35 = 0$

.....

(1)

(Total for Question 9 is 5 marks)

10 (a) Factorise fully $18c^3d^2 - 21c^2$

.....

(2)

(b) (i) Factorise $y^2 - 3y - 18$

.....

(2)

(ii) Hence, solve $y^2 - 3y - 18 = 0$

.....

(1)

(Total for Question 10 is 5 marks)