

DO NOT WRITE IN THIS AREA

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- 8 A farmer keeps cows, pigs and sheep.

The ratio of the number of cows he keeps to the number of pigs he keeps is 2:3

The ratio of the number of pigs he keeps to the number of sheep he keeps is 7:11

The farmer keeps 42 cows.

Work out the number of sheep the farmer keeps.

(Total for Question 8 is 3 marks)

- 9 Solve  $3(2 - x)^2 - 75 = 0$

Show clear algebraic working.

$x = \dots$

(Total for Question 9 is 3 marks)



P 7 2 4 7 8 A 0 5 2 4