

DO NOT WRITE IN THIS AREA

- 3 Make x the subject of $y = tx + 4y^2$

(Total for Question 3 is 2 marks)

- 4 Each time Arhan plays a game of chess, the probability that he does **not** win is 0.64
Arhan plays 75 games of chess.

Calculate an estimate for the number of games he wins.

(Total for Question 4 is 2 marks)

- 5 Solve the simultaneous equations $4x + 4y = 18$
 $4x + 6y = 35$

Show clear algebraic working.

$$x = \dots$$

$$y = \dots$$

(Total for Question 5 is 3 marks)



P 6 5 9 2 0 A 0 3 2 4