

7 Solve the simultaneous equations

$$4x - y = 4$$

$$2x + \frac{7}{2}y = -10$$

Show clear algebraic working.

$$x = \dots\dots\dots$$

$$y = \dots\dots\dots$$

(Total for Question 7 is 3 marks)

8 When a biased coin is thrown once, the probability that it lands Heads is 0.6  
The coin is thrown 4 times.

Find the probability that the coin lands Heads exactly 3 times.

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(Total for Question 8 is 3 marks)

