

- 10** Jason has a fair 6-sided dice, with faces numbered 1, 2, 3, 4, 5 and 6  
He rolls the dice two times and records the number that the dice lands on each time.

Jason's score is the sum of the two numbers that he records.

Find the probability that Jason's score is 6

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(Total for Question 10 is 3 marks)

**11**  $\vec{OX} = \begin{pmatrix} -4 \\ 2 \end{pmatrix}$  and  $\vec{YX} = \begin{pmatrix} -7 \\ 6 \end{pmatrix}$

Calculate the modulus of  $\vec{OY}$

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(Total for Question 11 is 3 marks)

