### 31st May

A = \{2, 3, 4, 5, 7\}

B = \{2, 3, 5, 9\}

Find the probability of A given B

Sketch the graph of \( y = \sin x \) for \( 0 \leq x \leq 360 \).

By drawing an appropriate straight line, use your graph to find estimates for the solutions of \( x^2 - 2x - 1 = 0 \).

Calculate an estimate for the gradient of the graph \( y = x^2 - x - 2 \) at the point where \( x = 1 \).

Shown is \( y = x^2 - x - 2 \)

Rebecca has 9 cards, each with a number on it. She picks three cards at random, without replacement. Rebecca adds the three numbers to get a score.

Calculate the probability that the score is an odd number.