

7th December



Corbettmaths

Given

$$f(x) = \frac{2x + 4}{3}$$

find

$$f^{-1}(x)$$

Rebecca has 9 cards, each with a number on it.

2	2	3	4	5	6	6	7	9
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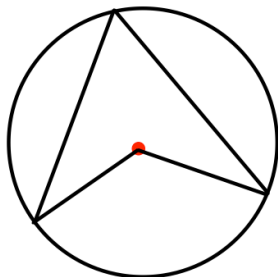
She picks two cards at random, without replacement.

Rebecca multiplies the two numbers to get a score.

Calculate the probability that the score is an even number

Write in the form $a(x + b)^2 + c$

$$3x^2 - 12x + 41$$



Prove that the angle at the centre is twice the angle at the circumference.