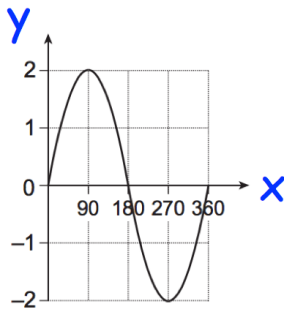


13th August

Corbettmaths



Write down the equation
of the curve shown

$$f(x) = x^2 + 3x + 8$$

show that

$$f(x + 1) - f(x) = 2x + 4$$

Solve the inequality

$$2x^2 + 9x + 10 > 0$$

Hannah has some coins.



Hannah has to pay £2.40 for a coffee.
She picks 3 coins at random, without
replacement, from her pocket.

Work out the probability that she has
chosen enough money to pay for the
coffee.