

QUESTION 1

1. Write the general form of the equation of the line

through

(1, 2)

and perpendicular to the line $y = 2x + 3$

Write your answer in the form $ax + by = c$ where a, b and c are integers

By using the gradient of the line _____

we know the gradient of the line _____

is the negative reciprocal of the gradient of the line _____

2. Write the equation of the line in gradient-intercept form

through

(1, 2) and (3, 4)

Write your answer in the form $y = mx + c$

By using the gradient formula _____

we know the gradient of the line _____

is _____

QUESTION 2