

Equations of Straight Lines

Question 1 – Complete the table below.

| Equation | Make y the subject of the formula | What is the gradient? | What is the y-intercept? |
|---------------|-----------------------------------|-----------------------|--------------------------|
| $Y = -2X + 3$ | | | |
| $Y + 2X = 4$ | | | |
| $5X + Y = 6$ | | | |
| $2X + 2Y = 8$ | | | |

Question 2 – A line has a gradient of 5 and has a y-intercept of 2. Write the equation of the line in the form $y = mx + c$

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Question 3 – A line has gradient 2 and goes through the point (0,6). Write the equation of the line in the form $y = mx + c$

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Question 4 – A line passes through points (1,3) and (4,9). Write the equation of the line in the form $y = mx + c$

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