**Straight Line graphs (Higher)**

|  |  |  |
| --- | --- | --- |
| **Literacy**  Gradient, intercept, formula, coordinate, linear | **Research**  What is the relationship between a line and its perpendicular? | **Memory**  Learn the different forms of the equations of a linear graph |
| **Skills**  Can you work out the equation of the straight line in each case?  1) passing through (7, 17) with gradient 2  2) passing through (0, 8) and (12 ,0)  3) passing through (6, 0) with gradient -3/4  4) passing through (1, 8) and (5, 10)  5) passing through (-4, -2) and (-1, -4) | | **Stretch**   1. Can you find two integer coordinates that satisfy 2. Can you rearrange the above equation into a better form? 3. What is the gradient and y intercept of 3y-2x-11=0 |

@beauchamp\_maths