**Equation of a Straight Line Revision**

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| **(a)** | **(b)** | **(c)** | **(d)** |
| Write down the gradient and y-intercept of the straight line with equation $y=5x-2$ | Write down the gradient and y-intercept of the straight line with equation $y=-\frac{1}{2}x+7$ | Write down the gradient and y-intercept of the straight line with equation $3y=2x-9$ | Find the gradient of the line joining $(2, 5)$ and $(4, 11)$ |
| **(e)** | **(f)** | **(g)** | **(h)** |
| Find the equation of the line. | Find the equation of the line. | Write down the equation of the line that is parallel to $y=-4x-9$ and passes through $(0, 2)$ | Write down the equation of the line that is perpendicular to $y=-3x$ and passes through the point $(0, -5)$ |
| **(i)** | **(j)** | **(k)** |
| Find the equation of the line that has a gradient of $2$ and passes through $(4, 3)$ | Find the equation of the line that is perpendicular to the line $2y=x-8$ and passes through $(-1, 9)$ | Find the equation of the line that passes through $(2, 9)$ and $(5, 3)$. |