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| **Coordinates and Straight Lines** |
| **(a)** | **(b)** | **(c)** | **(d)** |
| Write down the gradient of the line with equation$$y=-3x+5$$ | Write down the y-intercept of the line with equation $$y=5x-1$$ | Write down the gradient of the line with equation$$y=\frac{2}{3}x-1$$ | Write down the y-intercept of the line with equation$$y=6-5x$$ |
| **(e)** | **(f)** | **(g)** | **(h)** |
| Write down the equation of the line with gradient $4$ and y-intercept $(0,-3)$ | Find the midpoint of the line segment joining $(5, 2)$ and $(9, -2)$ | Write down the equation of the line with y-intercept $(0, 7)$ and gradient $-\frac{1}{2}$ | Find the equation of the line parallel to $y=3x-1$ that passes through $(0, 6)$ |
| **(i)** | **(j)** | **(k)** | **(l)** |
| Find the midpoint of the line segment joining $(-4, 1)$ and $(-8, 5)$ | Find the length of the line joining $(3, 1)$ and $(7, 4)$ | Find the equation of the line parallel to $y=-\frac{3}{2}x$ that passes through $(0, 5)$ | Find the length of the line joining $(-1, 3)$ and $(4, 12)$ |
| **(m)** | **(n)** | **(o)** | **(p)** |
| Find the equation of the line with gradient 2 that passes through $(5, 3)$ | Find the equation of the line parallel to $y=-3x$ that passes through $(2, 4)$  | Find the equation of the line that passes through $(5, 4)$ and $(3, 10)$ | Find the equation of the line that is perpendicular to $y=-2x+1$ and passes through $(-3, 5)$ |