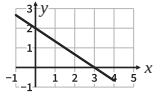
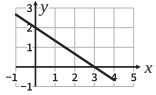


a Find the gradient of $2y = 6x - 5$ 3 dividing by the y coefficient	b Find the gradient of $4x + 2y = 7$ -2 x and y on the same side	c Find the y intercept of $3x - 2y = 8$ $(0, -4)$ the y intercept of $ax + by = c$	d Where does $2x + 5y = 20$ cross the x axis? $(10, 0)$ the x intercept: $y = 0$
e Write $y = \frac{2}{3}x + 4$ as $ax + by = c$ with whole numbers $2x - 3y = -12$ into $ax + by = c$ with whole numbers	f Find its equation  $y = -\frac{2}{3}x + 2$ the equation of a drawn line	g Which line is parallel to $y = 2x + 1$, $2y = x + 4$ or $6x - 3y = 2$? $6x - 3y = 2$ parallel lines in different forms	h Find the equation of the line parallel to $3x + y = 4$ through $(2, 1)$ $y = -3x + 7$ a parallel line through a point
i Is $x + 3y = 6$ perpendicular to $y = 3x - 1$? $\text{yes: } 3 \times -\frac{1}{3} = -1$ the perpendicular test: product -1	j Find the line perpendicular to $y = \frac{2}{3}x + 1$ through $(2, 5)$ $y = -1.5x + 8$ perpendicular to a fraction gradient	k Find the perpendicular bisector of $(1, 2)$ and $(5, 4)$ $y = -2x + 9$ the perpendicular bisector	l The line through $(1, 3)$ and $(k, 9)$ is perpendicular to $y = -\frac{1}{2}x + 5$. Find k . $k = 4$ a missing coordinate: perpendicular

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