

Straight Line Graphs *ramp up*

a Find the equation: gradient 3, through (2, 7). 	b Find the equation: gradient -2, through (3, 1). 	c Find the equation: gradient $\frac{1}{2}$, through (4, 5). 	d Find the equation of the line through (1, 5) and (3, 11).
e Find the equation of the line through (-1, 4) and (2, -2). 	f Find the equation of the line through (2, 3) and (6, 5). 	g Find the equation of the line through (3, 1) and (3, 8). 	h Find the gradient perpendicular to $y = 3x + 1$.
i Find the gradient perpendicular to $y = -\frac{1}{4}x + 2$. 	j Find the gradient perpendicular to $y = \frac{2}{3}x - 1$. 	k Find the equation of the line perpendicular to $y = 2x - 7$ at (4, 1). 	l Find the equation of the line perpendicular to $3x + y = 11$ at (3, 2).

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