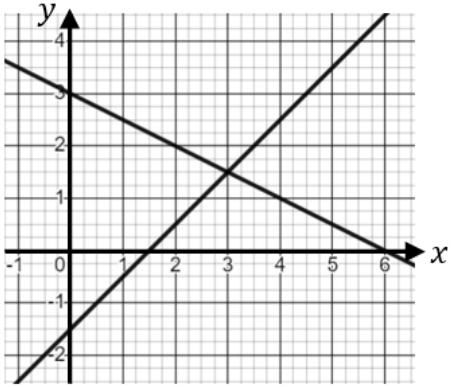
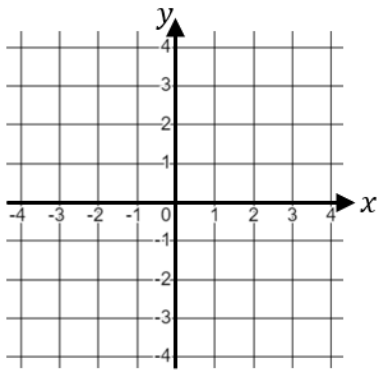
Algebra Revision			4
(a)	**(b)**	**(c)**	**(d)**
Factorise fully $20b^3cd^2 - 16bc^2d^4$	Find the midpoint of the line segment joining $(-1, 8)$ and $(2, -2)$	Expand and simplify $2x(x + 4)(x - 5)$	Solve $3x + 7y = 13$ $2x + 5y = 9.5$
(e)	**(f)**		
Find the equation of the line that is parallel to $y = -2x + 6$ and passes through $(0, -5)$	Factorise $4x^2 + 8x - 5$		
(g)	**(h)**	**(i)**	**(j)**
Make x the subject of the formula $t = \sqrt{\frac{x+a}{b}}$	Find the gradient of the line that is perpendicular to the line with equation $y = 4x + 5$	Use the graph to find the solutions to the equations $x + 2y = 6$ $y = x - 1.5$ 	Shade the region which satisfies the inequalities $x + y \leq 2$ $x \geq -1$ $y \geq x - 3$ 
(k)	**(l)**		
$f(x) = 2x^2 + x - 1$ Evaluate $f(-3)$	Solve $2x^2 - x - 6 = 0$		