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| **Algebra Revision**  | **2** |
| **(a)** | **(b)** | **(c)** | **(d)** |
| Simplify $2a^{2}b^{3}c×5ab^{2}c^{2}$ | Find the nth term of the sequence :$$1, 7, 13, 19,…$$ | Make $x$ the subject of $y=ax+b$ | (i) Write down the coordinates of point $A$A picture containing text, shoji  Description automatically generated(ii) Plot the point $(3, -2) $on the grid above. |
| **(e)** | **(f)** | **(g)** |
| Solve $$5x-3=x+12$$ | Expand and simplify$$5\left(x+2\right)-2(x-3)$$ | Solve$$3y+11\geq 2$$ |
| **(h)** | **(i)** | **(j)** | **(k)** |
| $$-9<3x\leq 15$$Write down all the possible integer values of $x$. | Factorise fully $10xy^{2}+25x^{2}y$ | Expand and simplify$$(x+5)(x-2)$$ | Find the equation of the straight line shown. |
| **(l)** | **(m)** | **(n)** |
| Solve $7\left(x+3\right)=x-3$ | Write down the gradient of the straight line with equation$$ y=-5x+4$$ | Solve $x+5=\frac{2x-3}{4}$ |