Progression in Mathematics at Hessle Academy



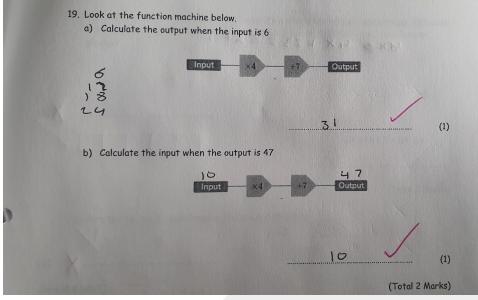


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Learning Objective: Use function machines to determine inputs and outputs.







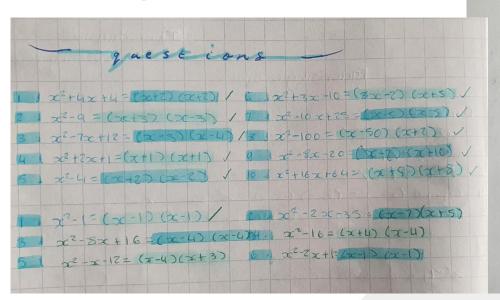
Learning Objective: Solve linear equations

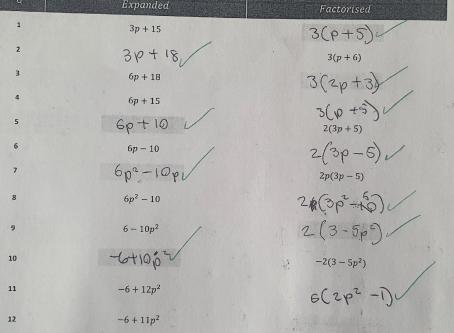
$\begin{array}{c} \text{All} \\ -2\alpha + s = 4\alpha + 1 \\ -2\alpha - 2\alpha \end{array}$	$\begin{array}{c} (A2) \ \mathcal{L} + 8 = 2\alpha + 3 \\ -\alpha \end{array}$
$S = 2\alpha + 1$	8=x+3 -3
4=2 x	5=x -
2=α	
$\begin{array}{c} A3 \end{array}) \qquad \qquad$	A4) 200 +3=300+1 -200
q = 2x + 3 $6 = 2x$	$3 = \alpha + 1$ $2 = \alpha$
$\frac{-2}{3-2}$	2-00 -
AS) It 9 = S It 1	₩B1) 2x+11=4x+3 -2x
$\begin{array}{c} q = 4 \alpha + 1 \\ q = -1 \end{array}$	11=22(+3
2=20 8=420	$4 = x^{8} = 2x$
B2) 2x + 25 = 6x + 1 $-2x$	$\frac{63}{2} \times \frac{16}{-\infty} = \frac{62}{-\infty}$
$25 = 42 + 1 \rightarrow 24 = 422$ -1 6 = 22	6=5x-4 +4 10=5x 2=x





Learning Objective: Factorise and expand algebraic expressions

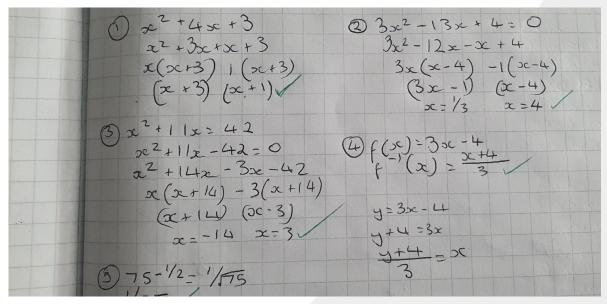


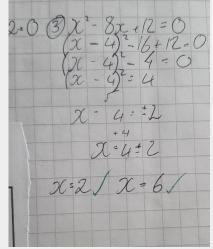






Learning Objective: Find solutions to non linear equations such as quadratic equations.





Year 11



Learning Objective: Apply algebraic knowledge to solve multistep problems.

