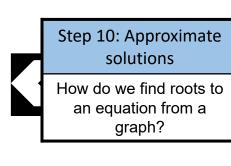
Year 11 Mathematics Learning Journey: Unit 4 - Algebra 2



Step 9: Solving equations with brackets / unknowns on both sides

Solve 3(m - 4) = 21

Step 8: Solving equations

Solve 5n + 7 = 17

Step 5: Other sequences

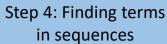
The triangular numbers are 1, 3, 6, 10, ... The nth term of this sequence is 1/2n(n + 1). Find the 200th triangular number.

Step 6: Nth term

5, 9, 13, 17. Write down an expression, in terms of *n*, for the nth term of the sequence.

Step 7: Rearranging formulae

Make *p* the subject of the formula $q = \frac{p}{x} + s$



Find the 10th term in the sequence 3n - 2

Step 3: Linear sequences

Here are the first four terms of a number sequence: 2, 5, 11, 23. The rule for the sequence is multiply the previous term by 2 and then add 1. Work out the 5th term of this sequence.

Step 2: Laws of indices

Simplify x³ x x⁴

Step 1: Simplifying expressions

Simplify y + 3y - 2y



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