

$$\frac{3x \times (x+1)^2}{3x^2 \times (x+1)^2} = \frac{x+1}{x}$$

TABLES, EQUATIONS AND GRAPHS

MATHS

LEVEL 1

Study Checklist

If you've picked up this checklist, congrats! You've begun the first step in a system of resources designed to help you through the Tables, Equations and Graphs external. To make the most of this, we suggest you sit down, grab a pen, and mark any points that you're feeling a little unsure of. Then, create a subject audit using our template, or refer to the page numbers to find the section in our walkthrough guide to help you out!

LINEAR EQUATIONS

- I can identify the features of a linear equation [TBC]
- I can explain what each part of a linear equation means [TBC]
- I can find the y intercept of a graph [TBC]
- I can calculate the gradient of a graph using rise/run [TBC]
- I can identify whether a linear equation is positive or negative [TBC]

SIMULTANEOUS EQUATIONS

- I can explain what simultaneous equations are [TBC]
- I can solve simultaneous equations using the elimination method [TBC]
- I can solve simultaneous equations using the substitution method [TBC]

QUADRATIC EQUATIONS

- I can explain what each part of a quadratic equation does [TBC]
- I can explain what 'k' represents in a quadratic equation [TBC]
- I can identify the features of a quadratic equation [TBC]
- I can find the vertex of a parabola [TBC]
- I can tell when a parabola is negative [TBC]

EXPONENTIAL EQUATIONS

- I can explain what an exponential equation is [TBC]
- I can identify the features of exponential graphs [TBC]
- I can tell when an exponential equation is negative [TBC]

GRAPHS

- I can draw a line on a graph using a linear equation [TBC]
- I can identify and define continuous data [TBC]
- I can identify and define discrete data
- I can form a quadratic equation from a graph
- I can draw a graph using a quadratic equation
- I can draw a graph an exponential equation [TBC]
- I can use my understanding of graphs to explain them in context [TBC]
- I can identify any issues with graphs and equations [TBC]

TABLES

- I can form a linear equation from a table [TBC]
- I can draw a line on a graph using coordinates [TBC] from a table
- I can form a quadratic equation from a table [TBC]
- I can form an exponential equation from a table [TBC]

