Tables, Equations and Graphs

Checklist

Use this alongside our Walkthrough Guides to tick off the concepts you're confident with to plan your study and find areas of improvement!

Linear Equations

- ◯ I can identify the features of a linear equation
- ◯ I can explain what each part of the linear equation means
- ◯ I can find the y-intercept of a linear graph
- ◯ I can calculate the gradient of a graph using $\frac{rise}{run}$
- ◯ I can identify if an equation is positive or negative

Simultaneous Equations*

- ◯ I can explain what simultaneous equations are
- ◯ I can solve simultaneous equations using the elimination method
- ◯ I can solve simultaneous equations using the substitution method

* Explanations can be found on page 50 of the MCAT Walkthrough Guide

Quadratic Equations

- ◯ I can explain what each part of the quadratic equation means
- ◯ I can explain what **k** represents in a quadratic equation
- ◯ I can identify the features of a quadratic equation
- ◯ I can find the vertex of a parabola
- ◯ I can tell when a parabola is negative

Exponential Equations

- ◯ I can explain what an exponential equation is
- ◯ I can explain the impact of exponential graphs
- ◯ I can tell when an exponential graph is negative

Graphs

- ◯ I can draw a graph using a linear equation
- ◯ I can identify and define continuous data
- ◯ I can identify and define discrete data
- ◯ I can draw a graph using a quadratic equation
- ◯ I can draw a graph using an exponential equation
- ◯ I can use my understanding of graphs to explain them in context
- ◯ I can identify any issues with graphs or equations

Tables

- ◯ I can form a linear equation from a table
- ◯ I can form a quadratic equation from a table
- ◯ I can form an exponential equation from a table
- ◯ I can draw a line using coordinates from a table

