ORION TUITION CENTRE

Blk 190 #04-508A
Toa Payoh Central
Singapore 310190

Class 1

H2 Mathematics bridging (IP students)

Date/Day	Time
24th October 2024 Thursday	10:00AM – 12:00PM
29th October 2024 Tuesday	10:00AM – 12:00PM
5th November 2024 Tuesday	10:00AM – 12:00PM
7th November 2024 Thursday	10:00AM – 12:00PM
12th November 2024 Tuesday	10:00AM – 12:00PM
14th November 2024 Thursday	10:00AM – 12:00PM
19th November 2024 Tuesday	10:00AM – 12:00PM
21st November 2024 Thursday	10:00AM – 1:00PM Timed trial

Lesson details

Total: $840
(First 50% payment is due before 1st lesson, remaining payment is due on the 3rd lesson)

Consultation via WhatsApp/Zoom

Recording of lesson in event of absenteeism

Timed trial: Students are to arrange for an online consultation with tutor after scripts are marked and returned. Consultations are usually 30~45 minutes.

Topics (Subjected to change)

1. Equations and Inequalities
   - Formulating a system of linear equations from a problem situation
   - Solving inequalities of the form $\frac{f(x)}{g(x)} > 0$ where $f(x)$ and $g(x)$ are linear expressions or quadratic expressions that are either factorisable or always positive
2. Patterns
   - Relationships by finding an algebraic expression for nth term
3. Arithmetic and Geometric Progression
   - Concepts of sequence and series for finite and infinite cases
   - Relationship between u_n (nth term) and S_n (sum to n terms)
   - Sum and difference of two series
4. Differentiation
   - Recap of differentiation techniques
   - Implicit Differentiation
   - Maxima and Minima
5. Integration
   - Recap of integration techniques
   - General power rule of integration
   - Trigonometric formula
   - Integration by substitution
   - Integration by parts
6. Permutation and Combination
   - Addition and multiplication principles for counting
   - Concepts of permutation and combination
   - Arrangement of distinct objects in a line including cases involving restriction

*Information is accurate as of October 8th, 2024

ORION TUITION CENTRE

Blk 190 #04-508A
Toa Payoh Central
Singapore 310190

Class 2

H2 Mathematics bridging O level students)

Date/Day	Time
12th November 2024 Tuesday	10:00AM – 12:00PM
14th November 2024 Thursday	10:00AM – 12:00PM
19th November 2024 Tuesday	10:00AM – 12:00PM
21st November 2024 Thursday	10:00AM – 12:00PM
26th November 2024 Tuesday	10:00AM – 12:00PM
28th November 2024 Thursday	10:00AM – 12:00PM
3rd December 2024 Tuesday	10:00AM – 12:00PM
5th December 2024 Wednesday	10:00AM – 1:00PM Timed trial

Lesson details
Total: $840 (First 50% payment is due before 1st lesson, remaining payment is due on the 3rd lesson) Consultation via WhatsApp/Zoom Recording of lesson in event of absenteeism Timed trial: Students are to arrange for an online consultation with tutor after scripts are marked and returned. Consultations are usually 30~45 minutes.

Topics (Subjected to change)
1. Equations and Inequalities • Formulating a system of linear equations from a problem situation • Solving inequalities of the form $\frac{f(x)}{g(x)} > 0$ where $f(x)$ and $g(x)$ are linear expressions or quadratic expressions that are either factorisable or always positive 2. Patterns • Relationships by finding an algebraic expression for nth term 3. Arithmetic and Geometric Progression • Concepts of sequence and series for finite and infinite cases • Relationship between u_n (nth term) and S_n (sum to n terms) • Sum and difference of two series 4. Differentiation • Recap of differentiation techniques • Implicit Differentiation • Maxima and Minima 5. Integration • Recap of integration techniques • General power rule of integration • Trigonometric formula • Integration by substitution • Integration by parts 6. Permutation and Combination • Addition and multiplication principles for counting • Concepts of permutation and combination • Arrangement of distinct objects in a line including cases involving restriction

*Information is accurate as of October 8th, 2024