

Starter

1. Compute

$$\int_3^4 \frac{3x}{(x-2)(x+1)} dx$$

2. Let $\mathbf{a} = 2\mathbf{i} + 3\mathbf{j} + 1\mathbf{k}$ and $\mathbf{b} = 2\mathbf{i} + 4\mathbf{j} + 2\mathbf{k}$. Find $\mathbf{a} \times \mathbf{b}$.
3. Prove that if n^2 is even then n is even. [Hint: Use proof by contradiction]

How to contact me

1. Teams will be setup shortly.
2. Email: MKusumgar@whtc.co.uk
3. Maths Office: Free after school on Mon, Tue, Wed from 3pm to whenever.

Suggestions on difficult topics

- Vectors
- Volumes of revolution
- Proof by contradiction and exhaustion
- Separation of variables
- Trigonometry
- Transformation of functions
- Real life modelling using sequences