

MAT 1997 Relevance Checker

- Red: Question not relevant for current syllabus.
- Orange: Question not entirely relevant for current syllabus but worth attempting. See comments.
- Black: Question relevant for current syllabus.

1. Multiple Choice

(a). Straight Line Passing Through Two Points

This question is relevant for the current syllabus.

(b). Hunting Solutions to Cubic

This question is relevant for the current syllabus.

(c). Dividing into Three Teams

This question is relevant for the current syllabus.

(d). Implications

This question is relevant for the current syllabus.

(e). Extremising $\cos(\cos(x))$

This question is relevant for the current syllabus, although it would be set in degrees rather than radians.

(f). Large n Limit

This question is relevant for the current syllabus.

(g). Largest Coefficient in Binomial Expansion

This question is relevant for the current syllabus.

(h). Area Beneath Curve

This question is relevant for the current syllabus.

(j). Dividing the Plane

This question is relevant for the current syllabus.

(k). Three-Variable Simultaneous Equations

This question is relevant for the current syllabus.

2. Quadratic Inequalities

The entirety of this question is relevant for the current syllabus.

3. Cardboard Square

The entirety of this question is relevant for the current syllabus.

4. Cartesian Geometry

(a). Finding a and b

This part of the question is relevant for the current syllabus, except that a question on a current paper would use degrees rather than radians.

(b). Expression for $\pi \sin(b)$

This part of the question is relevant for the current syllabus, except that a question on a current paper would use degrees rather than radians.

(c). Area of Shaded Region

This part of the question uses trigonometric integration and integration by parts, which are not relevant for the current syllabus.

5. Martian Songs

The entirety of this question is relevant for the current syllabus.