Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L030
10 marks • Teacher use only • Lesson resources

REACH FOR THE STAR | GCSE MATHEMATICS

B = independent mark; M = method; A = accuracy dependent on the associated method. Accept equivalent exact values and valid alternative methods. If working or an explanation is requested, do not infer it from the answer alone. Otherwise a correct numerical answer earns the numerical method marks. Follow-through only where stated; no credit for repeating the same component.

E1 [2]

(4,6) B1; (3,2) B1.

E2 [3]

(3,3) B1; (7,3) B1; (3,7) B1.

E3 [2]

Coordinates are measured from origin B1; must scale displacement from stated centre and add centre back B1.

E4 [3]

3/4 B1; 9 cm B1; 4/3 B1.

Feedback, assessment balance and sources

Reteach and reassess

If all coordinates are multiplied when the centre is not origin, first mark the displacement from the actual centre. If a half factor is called impossible, compare same ray distances. Recheck C(1,1), P(3,1), k=2 → (5,1).

Use fresh questions after a delay. Record support used and the next independent check; a high immediate score alone is not mastery.

AO1 5 + AO2 3 + AO3 2 = 10 marks. Item AO judgements are local and require teacher review. This targeted set does not reproduce whole-paper weightings.

Selected content: G7 G11 R2. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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