

Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L027

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]

SSS B1; RHS B1.

E2 [3]

AB=CD and BC=DA B1; AC shared B1; SSS B1.

E3 [2]

SAS requires angle between given sides B1; non-included data may allow different triangles B1.

E4 [3]

Three equal pairs including AC B1; SSS congruence B1; BAC=CAD as corresponding angles B1.

Feedback, assessment balance and sources

Reteach and reassess

If SAS is claimed with a non-included angle, mark the two sides and the angle between them. If AAA is used, compare 3,4,5 with 6,8,10 triangles. Recheck a proof with a shared side.

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

AO1 2 + AO2 7 + AO3 1 = 10 marks. Item AO judgements are local and require teacher review. This targeted set does not reproduce whole-paper weightings.

Selected content: G5 G6. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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