

Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L017

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]

-8 B1; 5 B1.

E2 [3]

9 cm B1; 9×3 M1; 27 cm^2 A1.

E3 [2]

One value is not all values B1; valid counterexample B1.

E4 [3]

$(3+2)^2 - 3^2$ M1; $25 - 9$ M1; 16 A1.

Feedback, assessment balance and sources

Reteach and reassess

If $3x$ is read as $3+x$, use three equal groups. If a negative square is negative, write both factors. Recheck $x=-3$ in $2x+5$ and x^2 : -1 and 9 .

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

Selected content: A1 A2 A3. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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