

Examination practice solutions

Pearson Edexcel GCSE Mathematics 1MA1 • L022

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]

$x \geq 6$ B1; $x < 5$ B1.

E2 [3]

$3x \leq 12$ M1; $x \leq 4$ A1; filled circle at 4 and ray left B1.

E3 [2]

Negative division reverses order B1; $0 < 8$ confirms $x=0$ is included B1.

E4 [3]

-2, -1, 0, 1, 2 B2; B1 for four correct and no wrong value; count 5 B1.

Feedback, assessment balance and sources

Reteach and reassess

If only the boundary is reported, ask for two solutions. If $\leq$ is drawn open, test the endpoint. If negative division is missed, compare -2 and -5 . Recheck $-2x < 6$ as $x > -3$.

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

AO1 6 + AO2 4 + AO3 0 = 10 marks. Item AO judgements are local and require teacher review. This targeted set does not reproduce whole-paper weightings.

Selected content: A3 A22. Specification Issue 2 and sample assessment general marking conventions. Original questions; no past-paper questions reproduced.

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