

Original examination style practice

Pearson Edexcel GCSE Mathematics 1MA1 • L017

10 marks • 12 minutes • Non-calculator • Lesson resources

REACH FOR THE STAR | GCSE MATHEMATICS

Original Reach for the Star questions; not official or endorsed Pearson materials. Shared Foundation/Higher content. This is targeted practice, not a balanced mock paper or grade prediction.

E1 For $x=-2$, evaluate (a) $4x$ (b) x^2+1 . [2]

E2 A rectangle has length $2x+1$ cm and width 3 cm. For $x=4$ find length and area, with units. [3]

Reasoning and application

E3 A learner claims $x^2=2x$ for all x because both equal 4 when $x=2$. Explain why this is insufficient and disprove it. [2]

E4 Evaluate $(a+b)^2-a^2$ for $a=3, b=2$. Show the calculation. [3]

Check working and units. Teacher feedback follows separately.