

National 5 Maths
QS 2026 Paper 1
Question 7

Find $|\mathbf{d}|$, the magnitude of vector $\mathbf{d} = \begin{pmatrix} 4 \\ -5 \\ 7 \end{pmatrix}$.

Express your answer as a surd in its simplest form.

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Answer:

$$3\sqrt{10}$$