

Solutionbank M1

Heinemann Modular Maths for Edexcel AS and A-level

4 Forces

Exercise B, Question 3

Question:

Forces of magnitude 6 N and 5 N act on a particle. What are the greatest and least values of the magnitude of the resultant of these forces?

Solution:

greatest

\therefore greatest force = $6 + 5 \text{ N} = 11 \text{ N}$ magnitude



least force

= $6 \text{ N} - 5 \text{ N}$
i.e. magnitude 1 N.



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