

# Scalars & Vectors

Fairlight Tuition

## Five 6

[Mechanics]

Name: .....

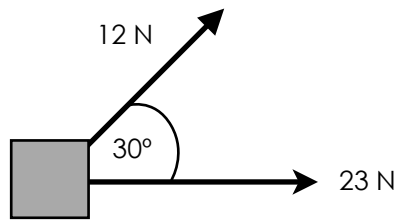
Date: .....

[www.FairlightTuition.org](http://www.FairlightTuition.org)

# Easy

1. Find the magnitude of the resultant force on the body:

Diagram not drawn to scale



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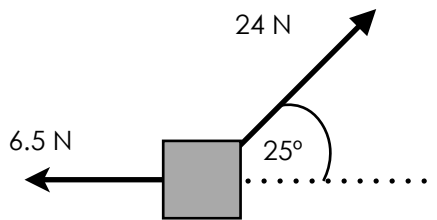
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2. Find the angle the resultant force on the body makes with the vertical:

Diagram not drawn to scale



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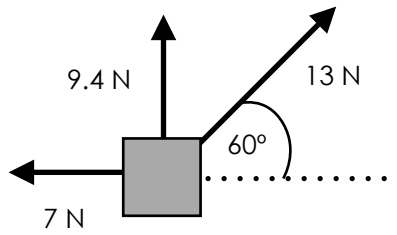
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Moderate

3. Find the magnitude of the resultant force on the body:

Diagram not drawn to scale



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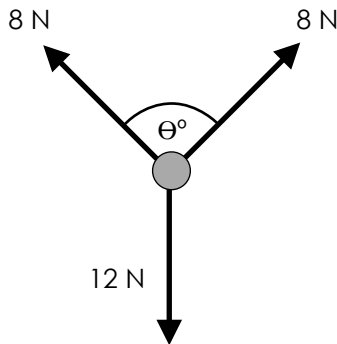
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4. The body is at rest (and experiencing zero resultant force). Find the size of angle  $\theta$ :

Diagram not drawn to scale



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