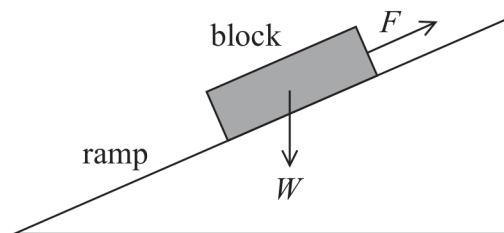


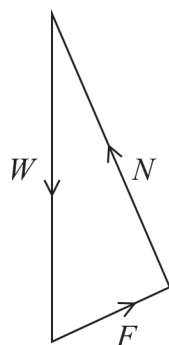
- 6 A block of wood is stationary on a frictionless ramp as shown.

The block is held in place by a string. The weight of the block is W . The force applied to the block by the string is F .

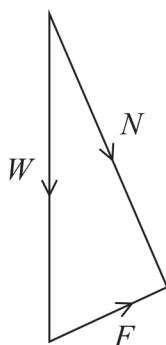


A triangle of forces can be used to determine the magnitude and direction of the normal contact force N acting on the block.

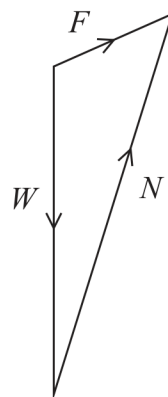
Which of the following triangles is correct?



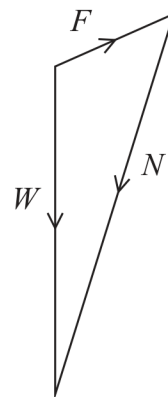
A



B



C



D

- ☐ A
- ☐ B
- ☐ C
- ☐ D

(Total for Question 6 = 1 mark)