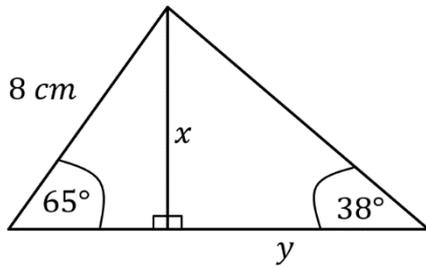


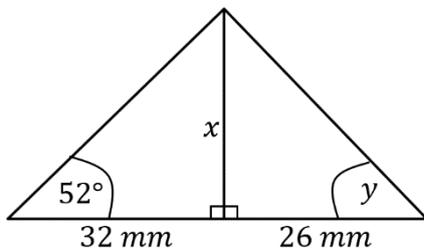
Multi-Step Trigonometry Problems

Find the missing lengths and angles in these diagrams.

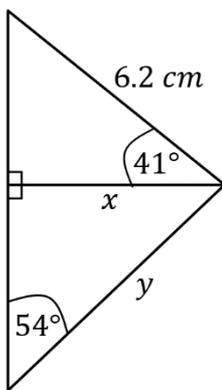
(a)



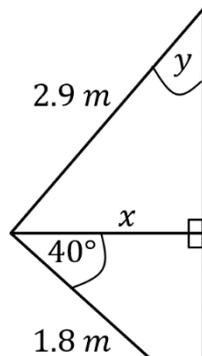
(b)



(c)



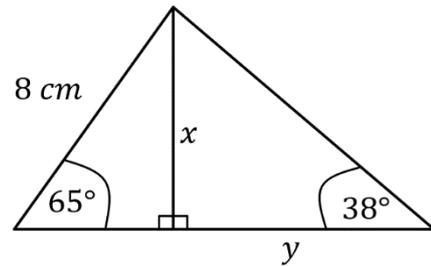
(d)



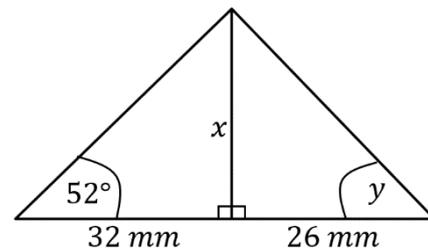
Multi-Step Trigonometry Problems

Find the missing lengths and angles in these diagrams.

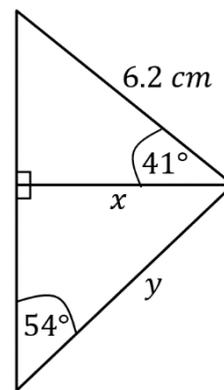
(a)



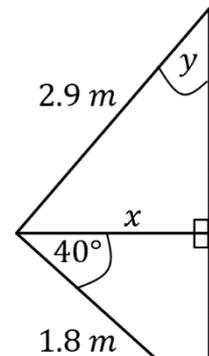
(b)



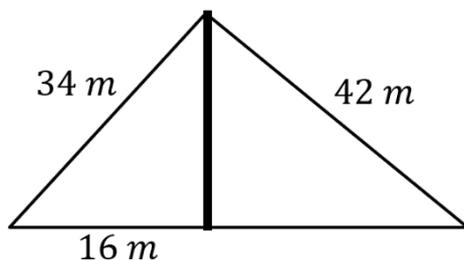
(c)



(d)

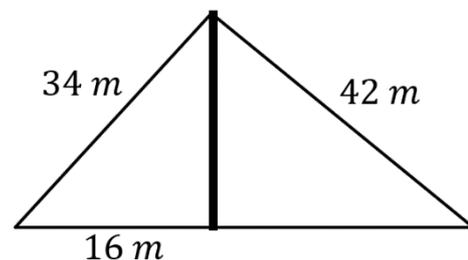


A vertical mast is held in position by two cables of lengths 34 m and 42 m, as shown in the diagram.



- Calculate the height of the mast
- Calculate the angle the horizontal makes with the 34 m cable.
- Calculate the horizontal distance from the foot of the mast to the 42 m cable.

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