Know Tangent, Sine and Cosine

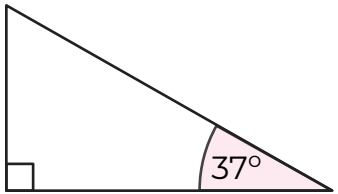
Maths

Miss Davies

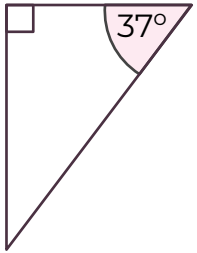
Know Tangent, Sine and Cosine

1. Label the sides of the right-angled triangles.

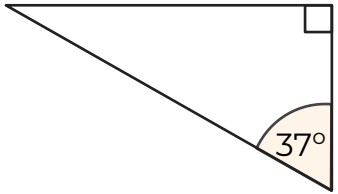
a)



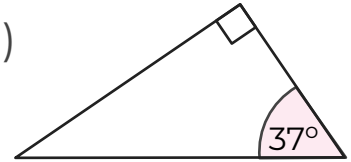
b)



c)

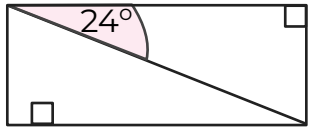


d)

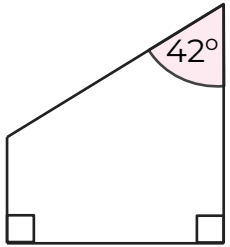


2. Identify a right-angled triangle which includes the labelled angle and label its sides.

a)



b)



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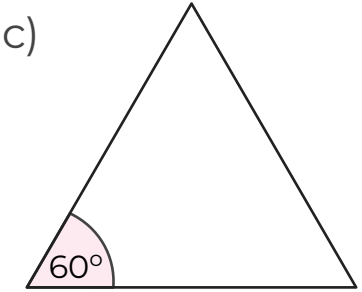

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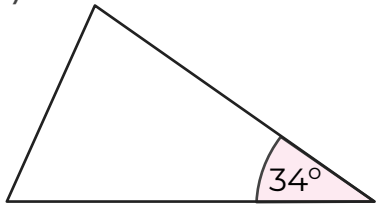
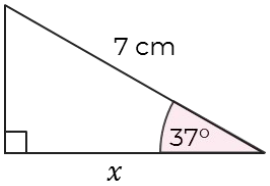


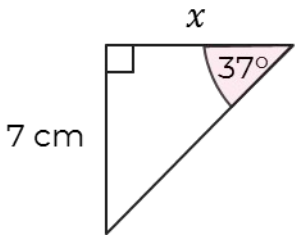
Know Tangent, Sine and Cosine

3. Label the sides of the right-angled triangles and identify which ratio will be used.

a)



b)



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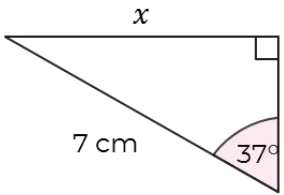
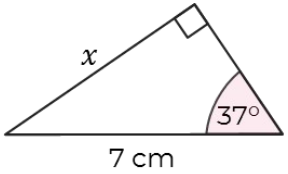
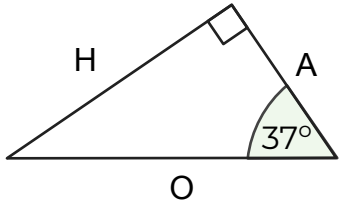


d)

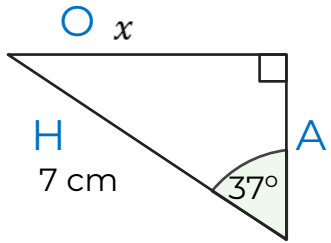


4. Dustin is finding the side labelled x. What mistake has he made in his labelling?

"The hypotenuse is always the longest diagonal side".



5. Amir is finding the side labelled x. What mistake has he made?



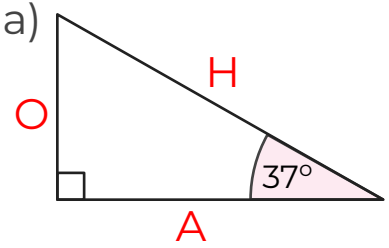
"We don't know the adjacent side, so need to use Cosine"

Answers

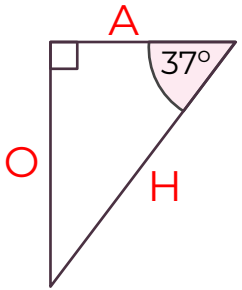
Know Tangent, Sine and Cosine

1. Label the sides of the right-angled triangles.

a)



b)



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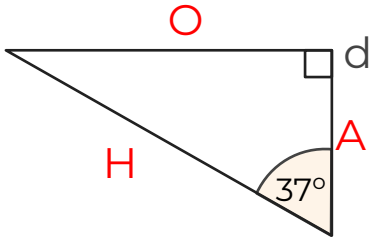
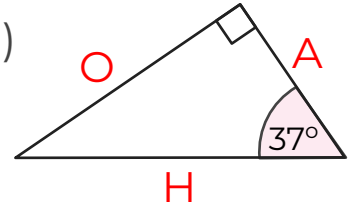
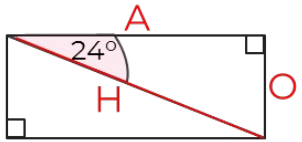


d)

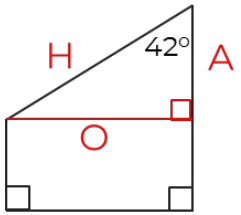


2. Identify a right-angled triangle which includes the labelled angle and label its sides.

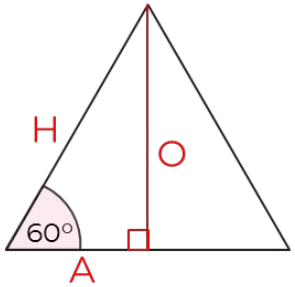
a)



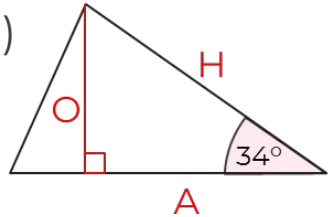
b)



c)



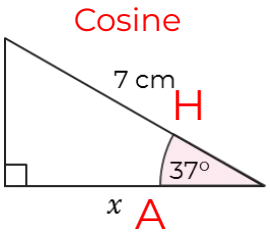
d)



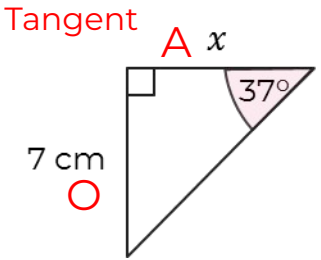
Know Tangent, Sine and Cosine

3. Label the sides of the right-angled triangles and identify which ratio will be used.

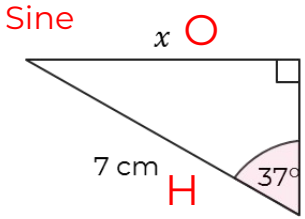
a)



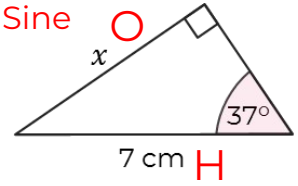
b)



c)



d)



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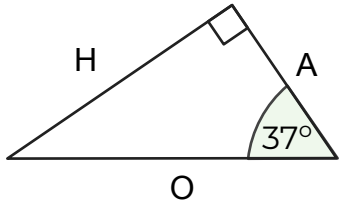
4. Dustin is finding the side labelled x.

What mistake has he made in his labelling?

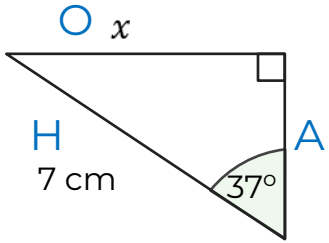
"The hypotenuse is always the longest diagonal side".



The hypotenuse is always the longest side, opposite the right angle. It doesn't have to be diagonal.

5. Amir is finding the side labelled x.

What mistake has he made?



"We don't know the adjacent side, so need to use Cosine"

Amir is trying to find the opposite side, he should use Sine.