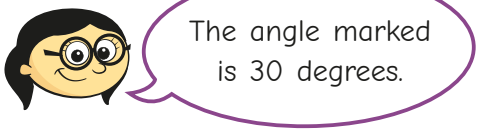
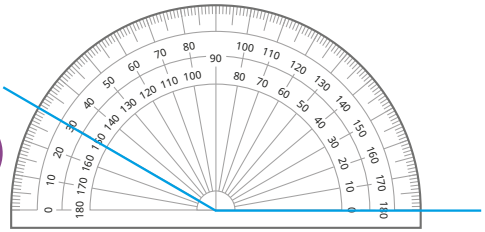
Measure angles up to 180°

1 Annie is measuring angles.





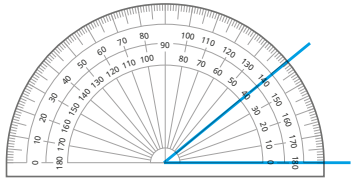
a) How do you know, just by looking at the angle, that it is not 30 degrees?

b) What mistake do you think Annie has made?

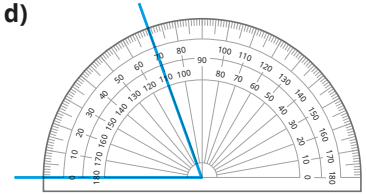
c) What is the size of the angle?

2 What is the size of the angle marked in each diagram?

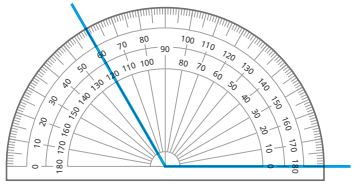
a)



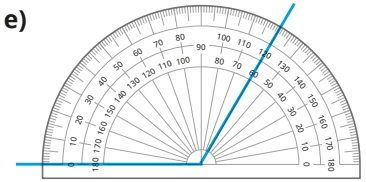
d)



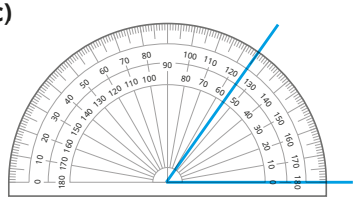
b)



e)



c)



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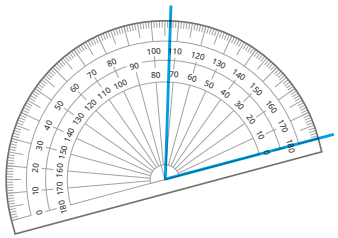
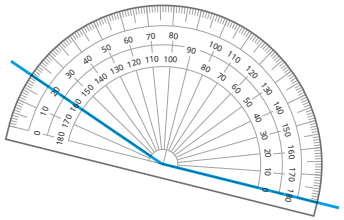
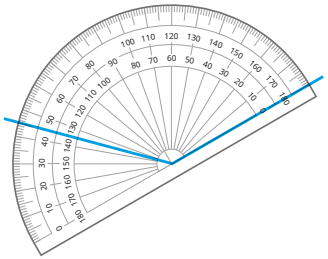


g)



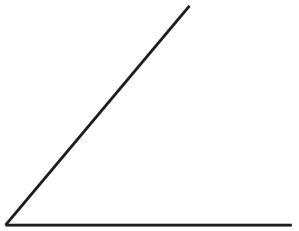
h)



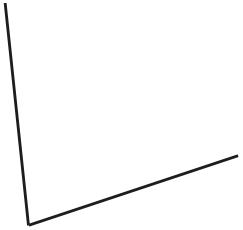
3 Decide whether each angle is acute or obtuse.

Then measure the size of each angle.

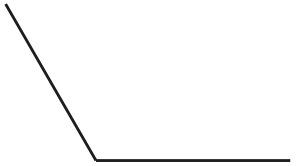
a)



d)



b)



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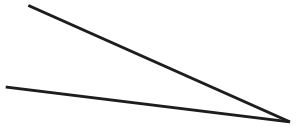

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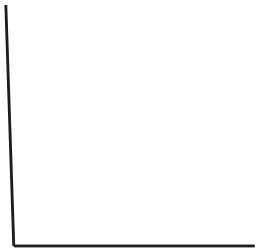

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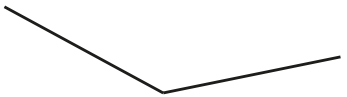
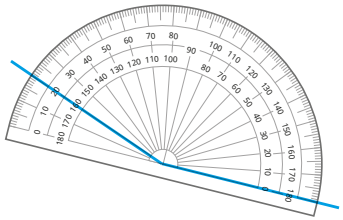
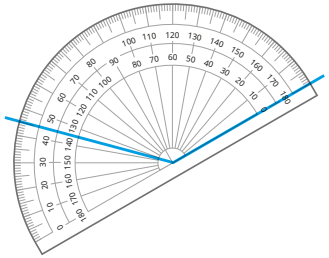


g)



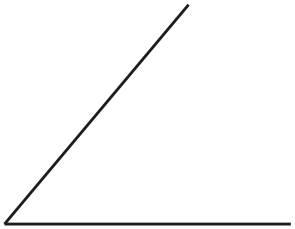
h)



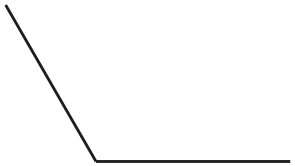
3 Decide whether each angle is acute or obtuse.

Then measure the size of each angle.

a)



b)



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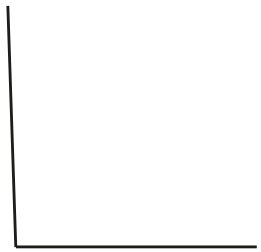
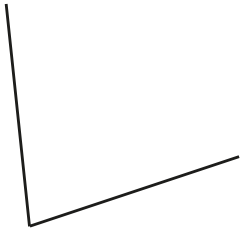
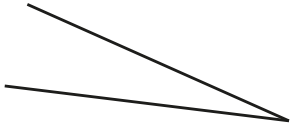


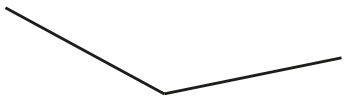
d)



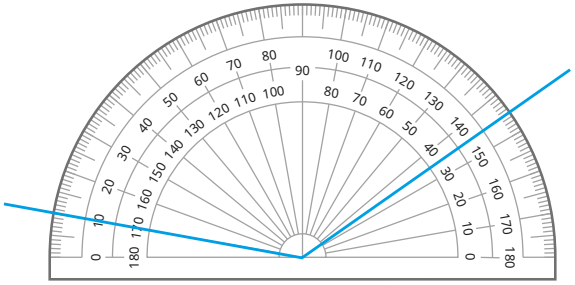
e)

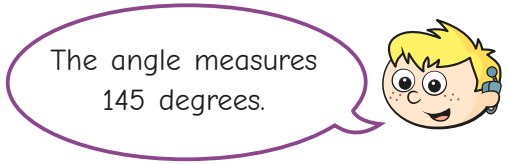


f)



4 Max is measuring the size of this angle.

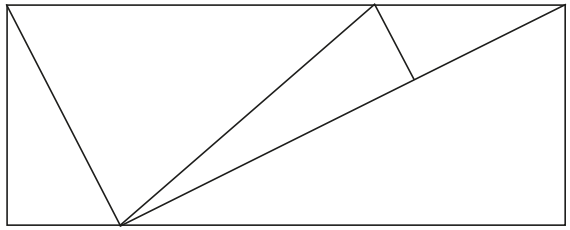




a) What mistake has Max made?

b) What is the size of the angle?

5 Look at the diagram.



a) What is the smallest angle you can find on the diagram?

What does the angle measure?

b) Find an angle between 70° and 90° on the diagram.

What does the angle measure?

c) Measure three more angles on the diagram.