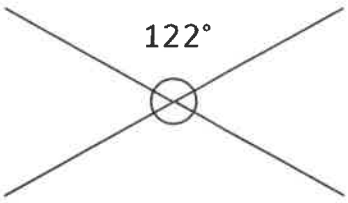
Angles at a Point

I can calculate angles at a point.

Calculate and label the size of all the angles where each pair of lines intersect.

1.



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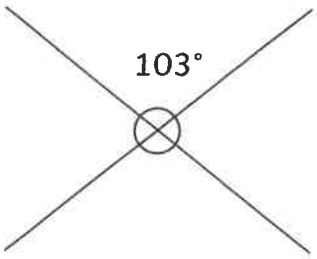

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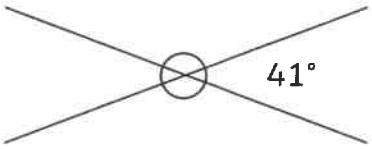

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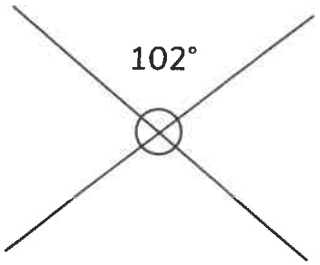

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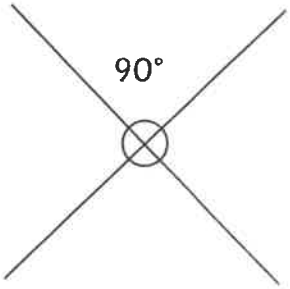

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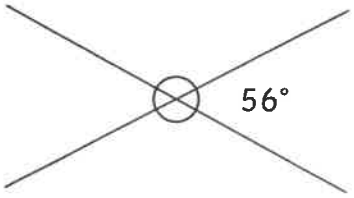

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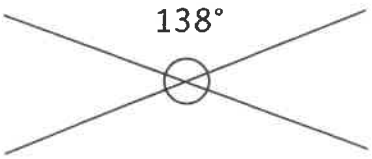

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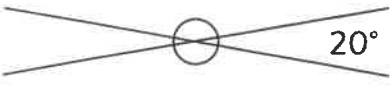

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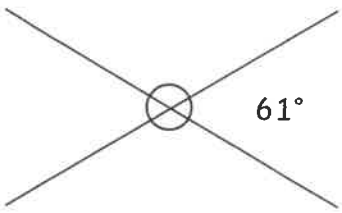

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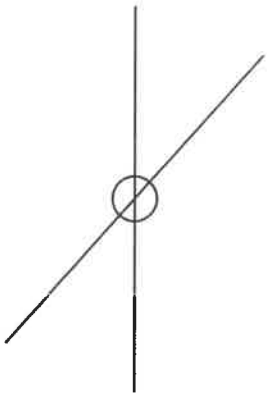
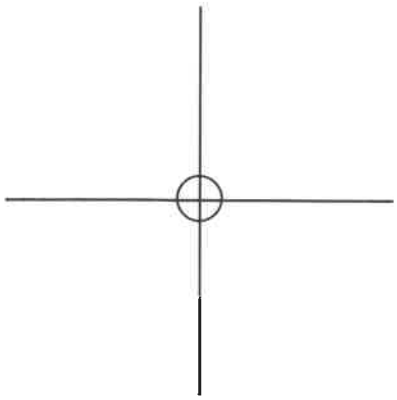
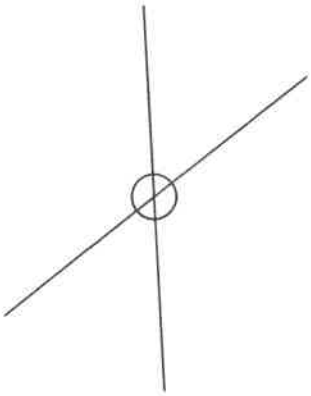
Complete the following sentences to explain how to calculate the angles where 2 lines intersect.

1. When two lines intersect the total of two adjacent angles is _____.
2. If one angle is known, the other can be found by _____
   _____.
3. When two lines intersect the total of all the angles _____.
4. The angles opposite the point are _____.

Here are 4 pairs of lines. Estimate the size of each angle, using what you know about angles at a point.





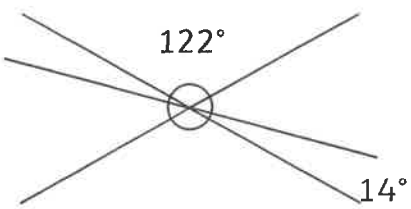


Angles at a Point

I can calculate angles at a point.

Calculate and label the size of all the angles where each pair of lines intersect.

1.



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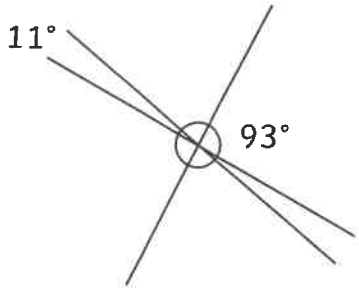

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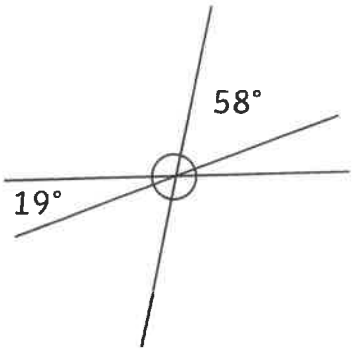

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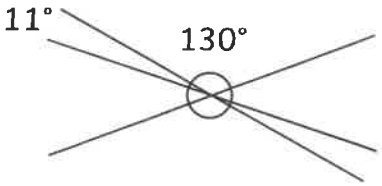

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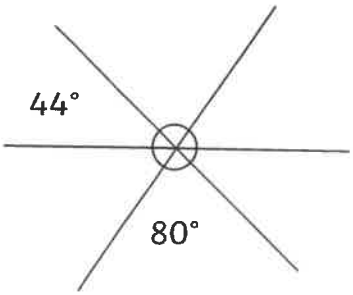

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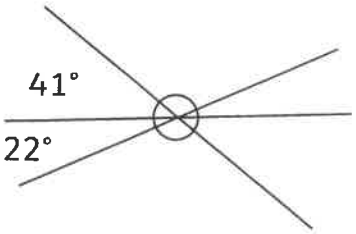

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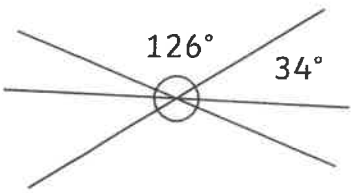

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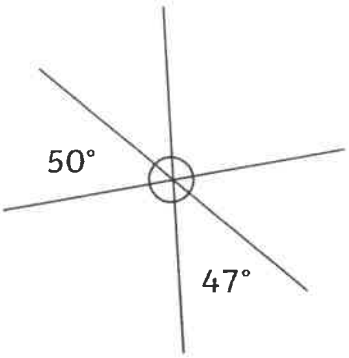

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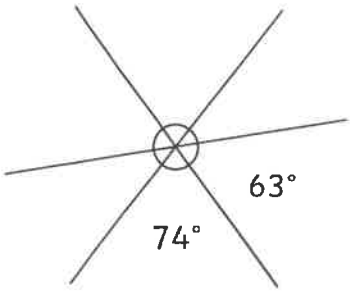

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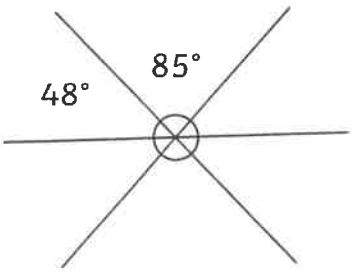

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Write an explanation of how to find the unknown angles where 3 lines intersect and 2 angles that are not opposite are known.

Draw 2 sets of 3 lines intersecting at a point and estimate the size of each angle, using what you know about angles at a point.

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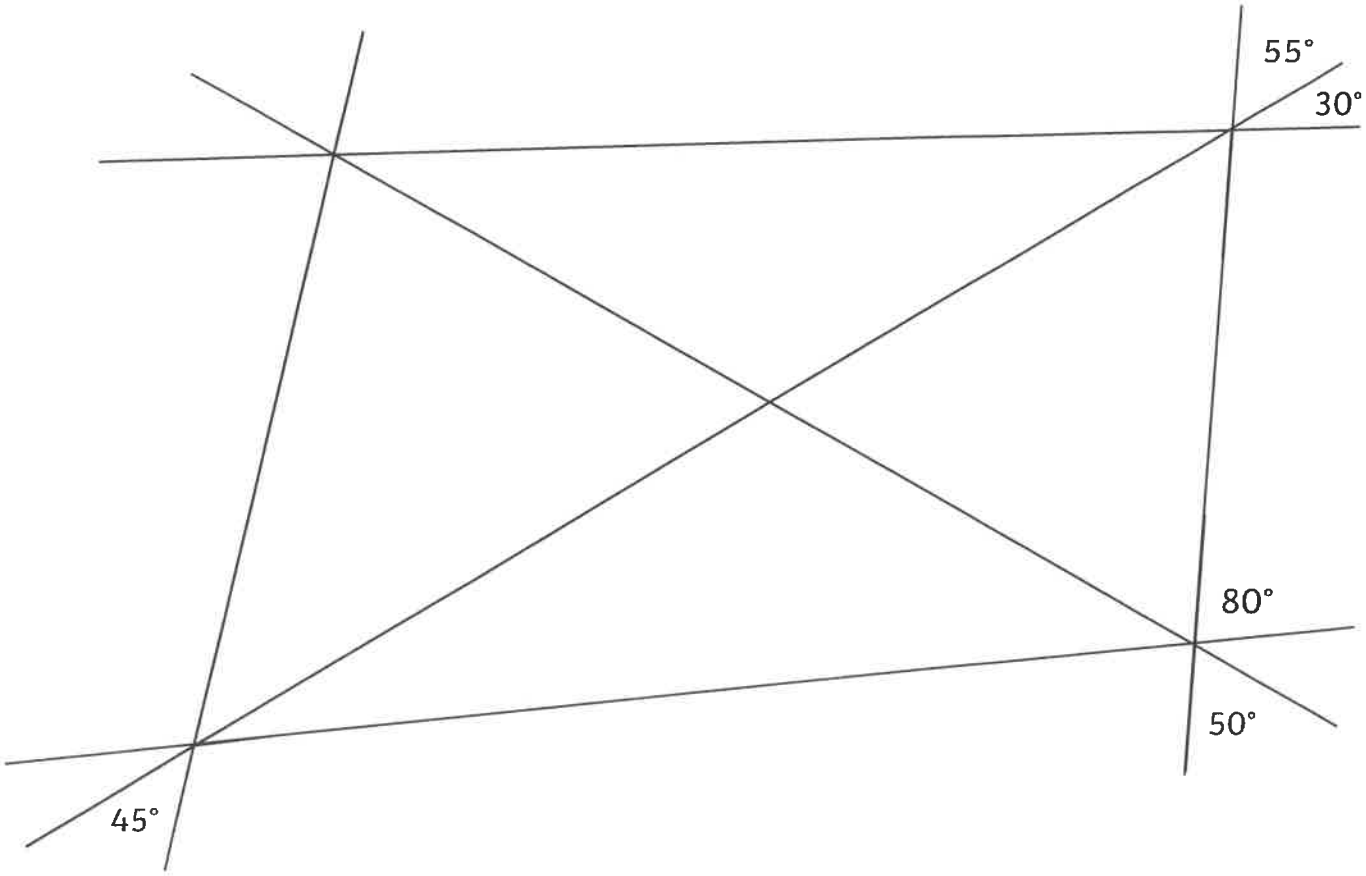
Angles at a Point

I can calculate angles at a point.

Here are 6 lines. There are 4 points where 3 lines intersect and one point where 2 lines intersect. Using the five given angles, calculate and label the size of all the other angles in the diagram.