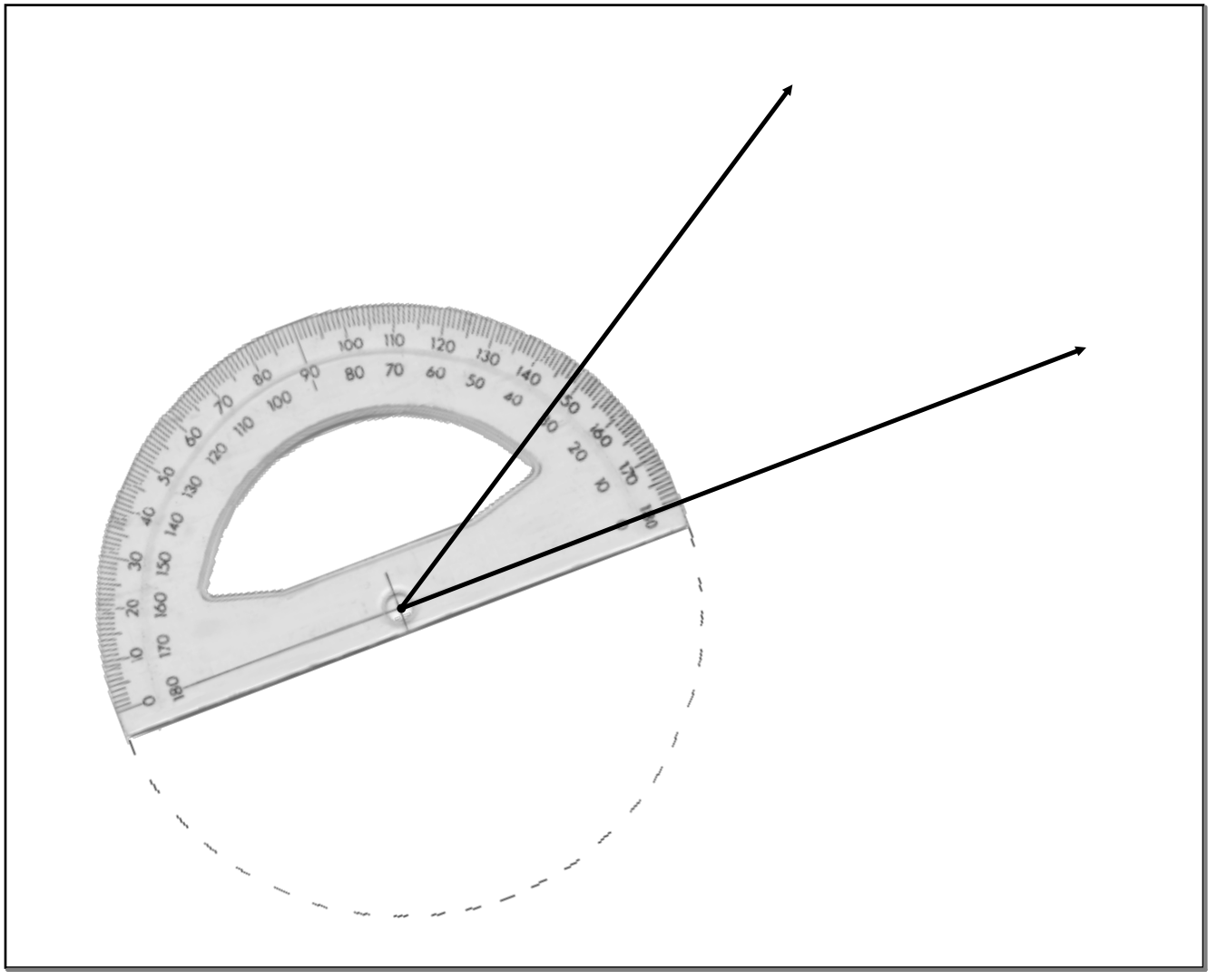
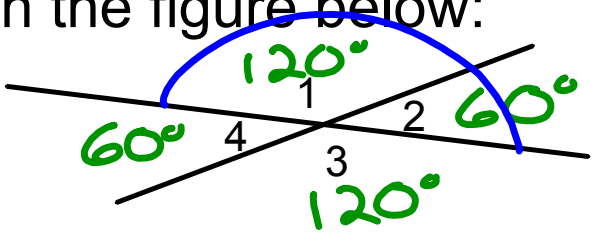
HW: 10-4 MathXL Additional Practice
(on Google Classroom)

February 28, 2022



1) Draw two intersection lines. Number the angles like in the figure below:



2) Measure the angles in your drawing and record your results.

3) What do you notice about the angles?

$\angle 1 \cong \angle 3$

$\angle 2 \cong \angle 4$

$m\angle 1 + m\angle 2 + m\angle 3 + m\angle 4 = 360°$

$m\angle 1 + m\angle 2 = 180°$

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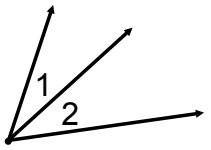
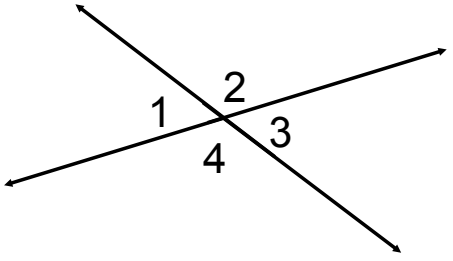
Geometry

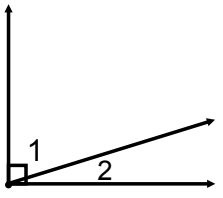
Adjacent angles-
common vertex, common side



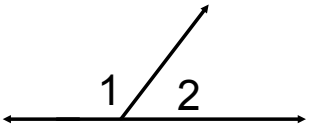
Vertical angles-
angles formed by two intersecting lines that are opposite one another
-vertical angles are congruent
- angles 1 and 3 are vertical angles
-angles 2 and 4 are vertical angles



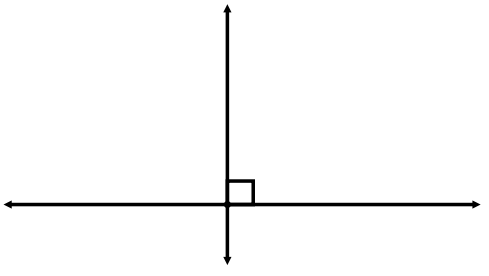
Complementary angles-
sum is 90 degrees

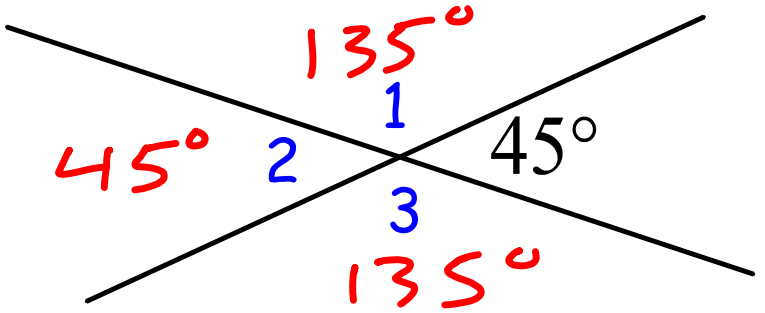


Supplementary angles-
sum is 180 degrees



Perpendicular lines-
two lines that intersect to form a right angle





$$\begin{array}{r} {}^{7}\cancel{1}{}^{1}\cancel{8}0 \\ -\ 45 \\ \hline 135 \end{array}$$

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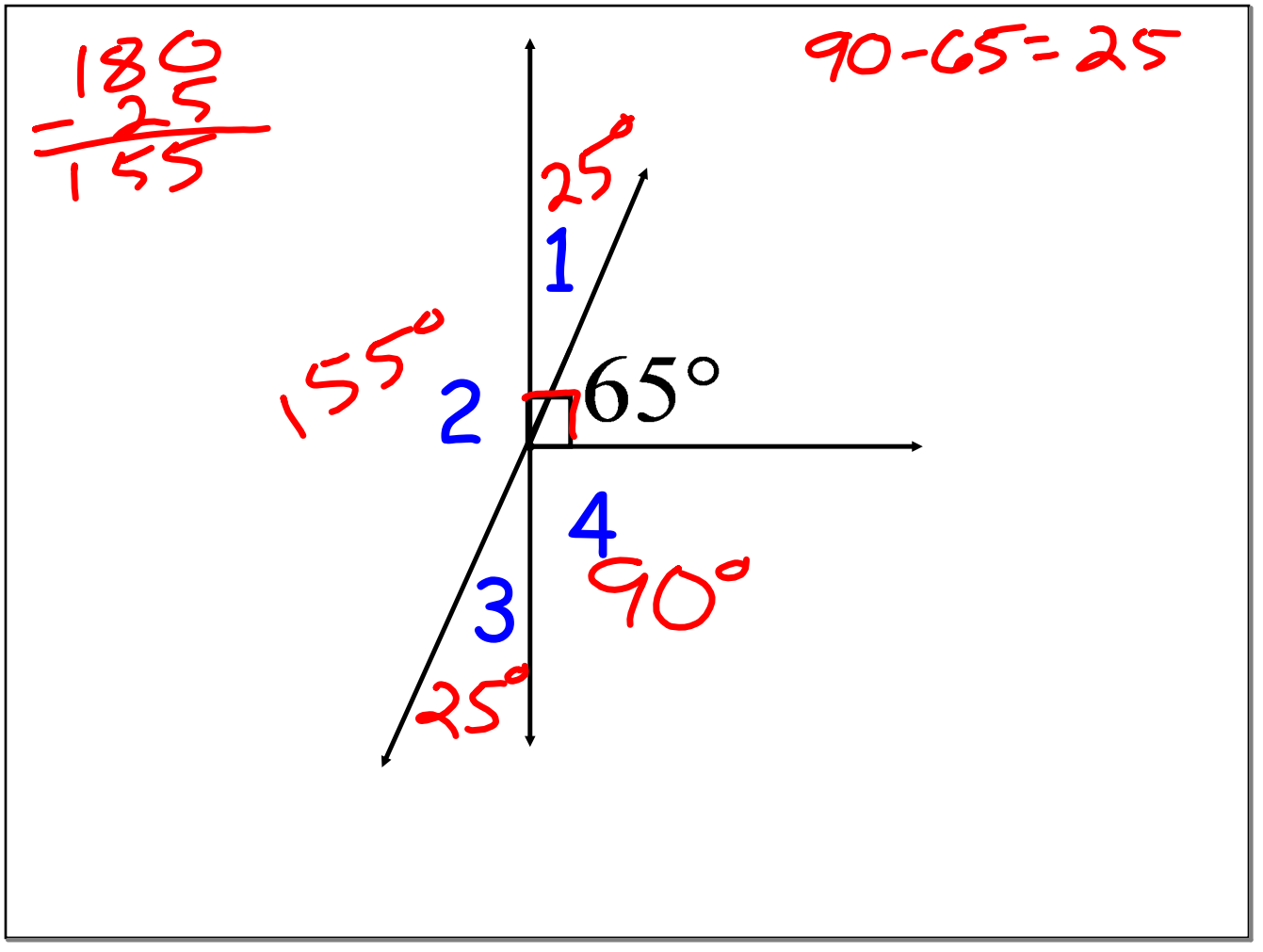
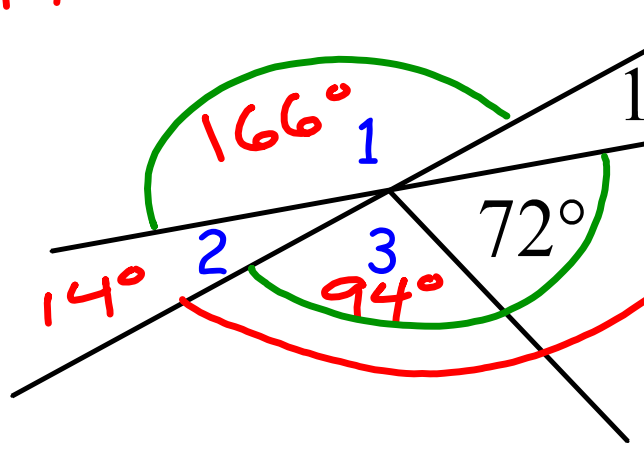


$180 - 14 = 166$



$$\begin{array}{r} 72 \\ +14 \\ \hline 86 \end{array}$$

$$\begin{array}{r} {}^{1}\cancel{1}\cancel{8}^{1}0 \\ -\ 86 \\ \hline 94 \end{array}$$

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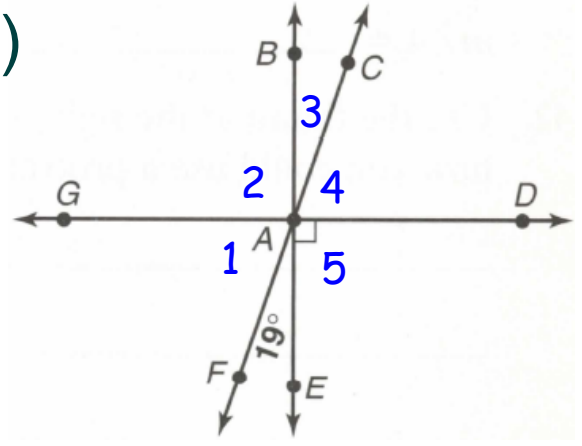
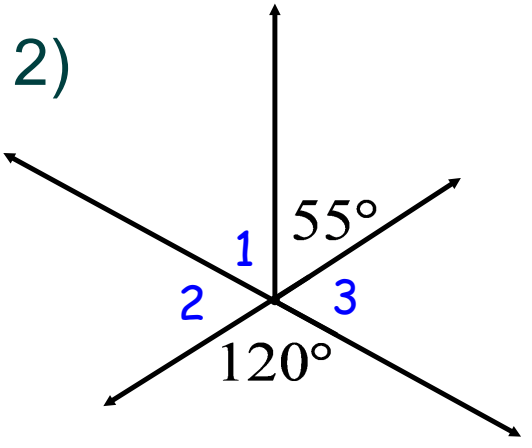
1)



2)



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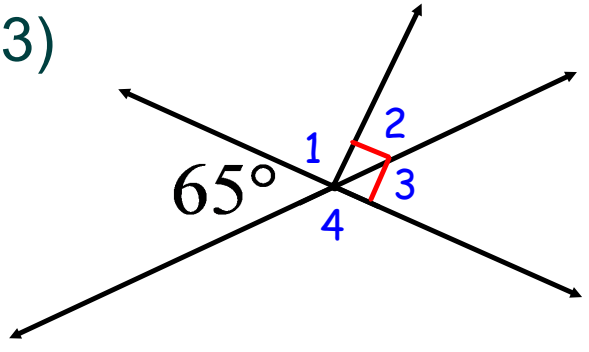
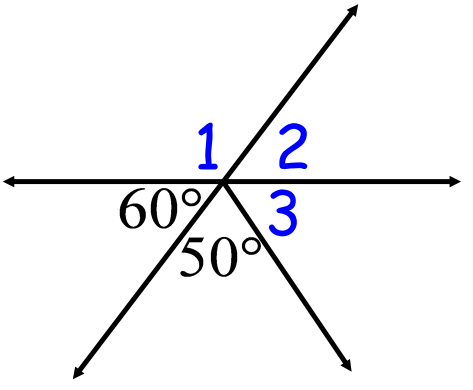


4)



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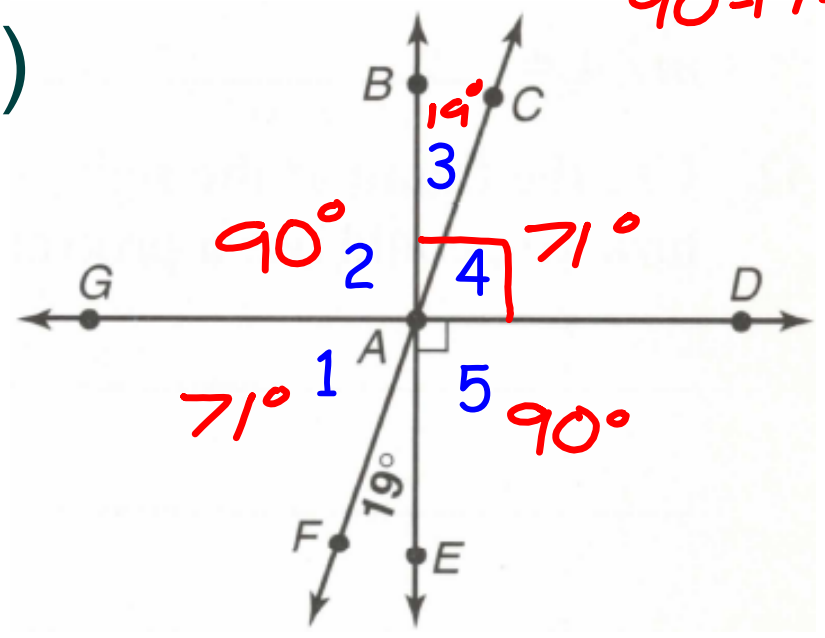

90-19=71

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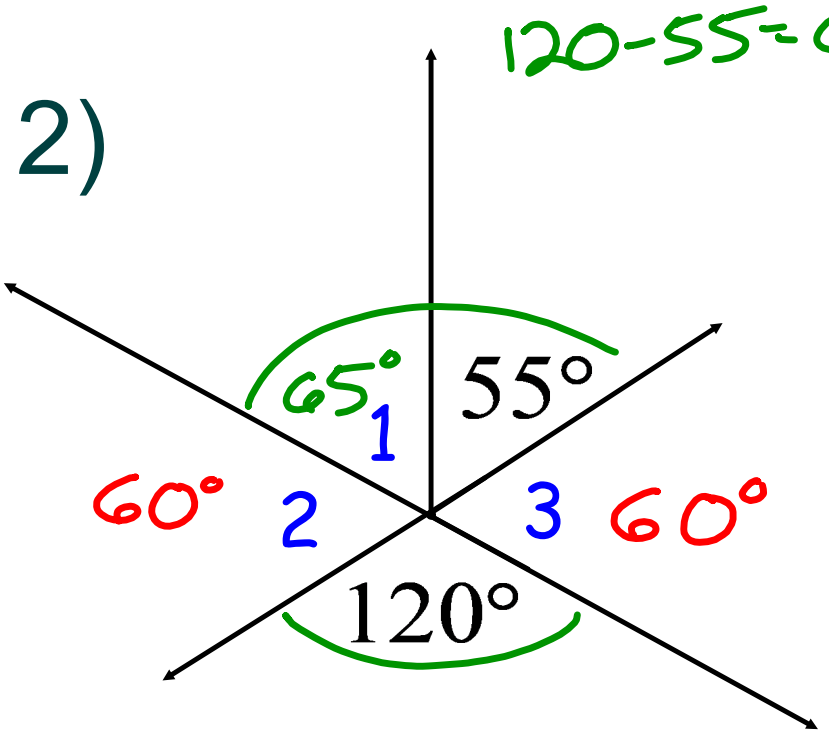
2)



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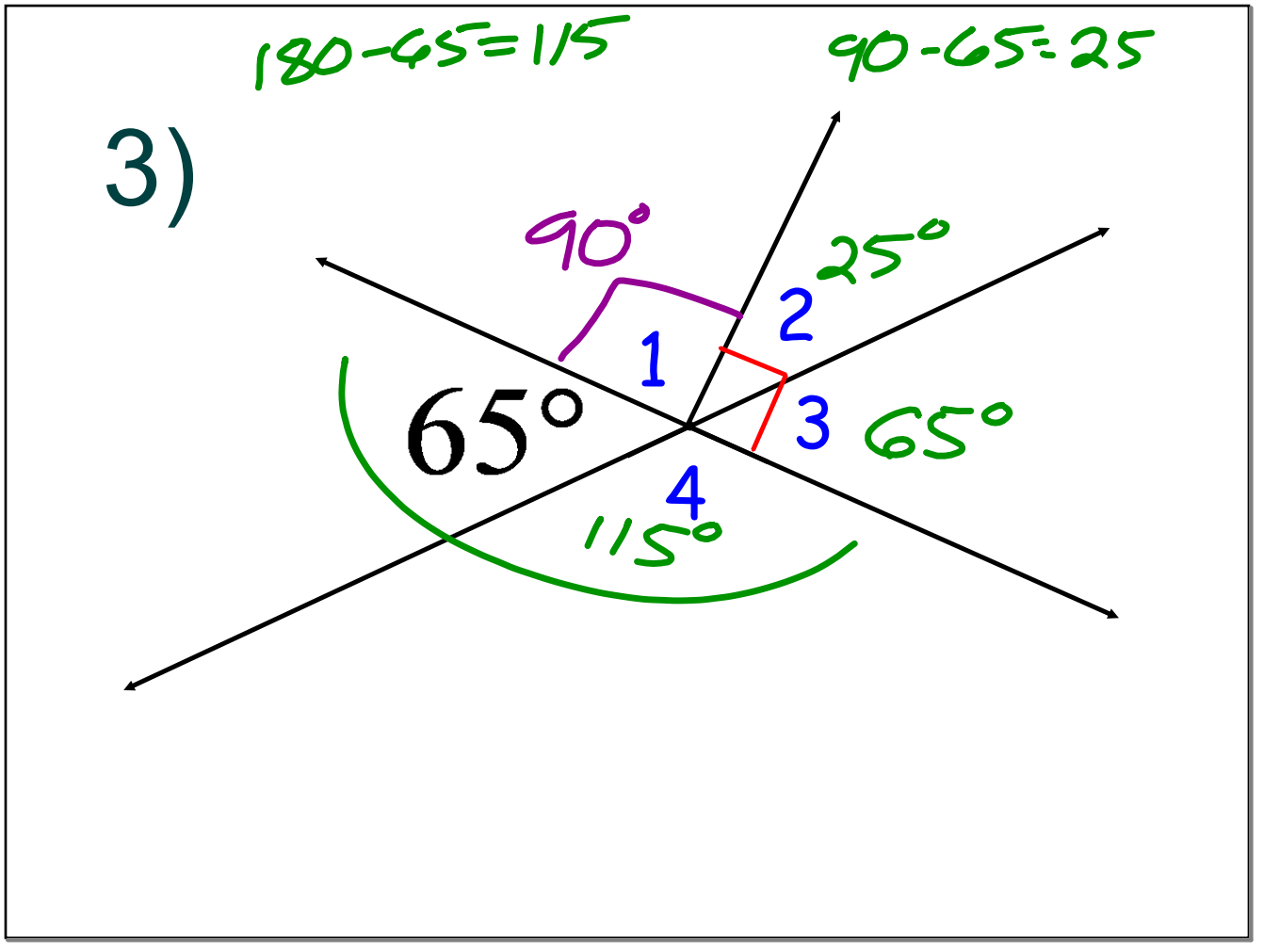

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