

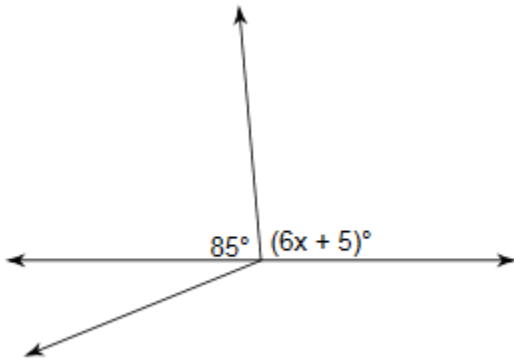
Name _____

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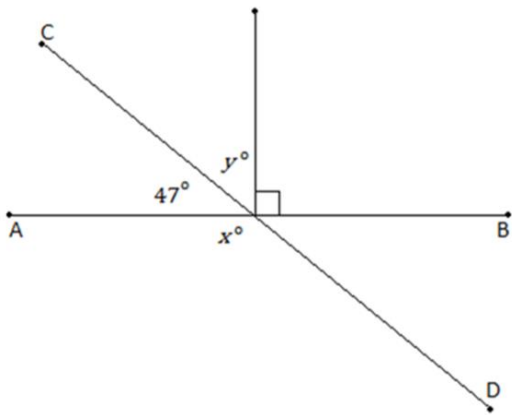
CC Geometry

Angle Pairs Homework

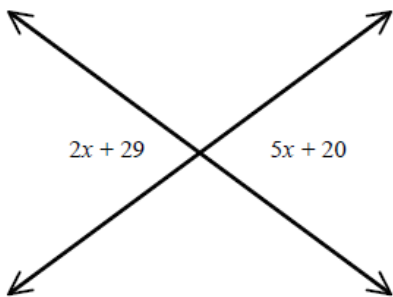
1. Find the value of x below.



2. Find the values of x and y

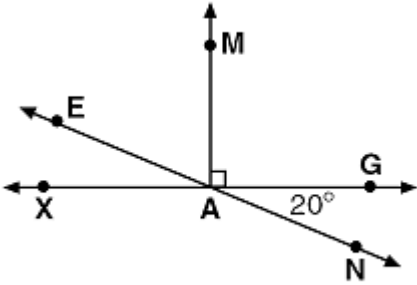


3. Find the value of x .



4. Given $\angle 1$ and $\angle 2$ are complementary. If $m\angle 1 = (x + 3)^\circ$ and $m\angle 2 = (4x - 8)^\circ$, find the $m\angle 2$.

5. Given the following: \overrightarrow{XG} and \overrightarrow{EN} intersect at A, $\overrightarrow{AM} \perp \overrightarrow{XG}$ and $m\angle GAN = 20^\circ$. Find the measure of $\angle EAM$.



6. Use the diagram to determine whether the angles are complementary, supplementary, adjacent, linear pair, vertical or none of the above.

<p>The diagram shows three intersecting lines. The top-left intersection has angles 1, 2, 3, and 4. The top-right intersection has angles 5, 10, 11, and 12. The bottom intersection has angles 6, 7, 8, and 9. The lines are arranged such that the top-left and bottom intersections are vertically aligned, and the top-right intersection is to the right of the top-left one.</p>	<p>a) $\angle 1$ and $\angle 5$</p> <p>b) $\angle 3$ and $\angle 4$</p> <p>c) $\angle 7$ and $\angle 8$</p> <p>d) $\angle 11$ and $\angle 13$</p>
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