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Use the following figure for each example problems below.
$\overline{A B}$ and $\overline{C D}$ are parallel. The figure is not drawn to scale.

Example 1: $m \angle 1=105^{\circ}$, find the $m \angle 5$.


Example 2: $m \angle 4=4 x$ and $m \angle 5$ is $3 x+5$. Find the value of $x$ and the measure of $\angle 4$ and $\angle 5$.

1) From the diagram above, name two pairs of corresponding angles.
2) From the diagram above, name the alternate interior angles. $\qquad$
3) From the diagram above, name the alternate exterior angles. $\qquad$
4) From the diagram above, name the same side interior angles.
5) Given the $m \angle 7=70^{\circ}$. Find the measure of as many of the other angles as possible.

6 ) Given the $m \angle 3=2 x+1$ and $m \angle 1$ is $4 x-1$. Find the value of $x$.
7) ) Given the $m \angle 4=134$ and $m \angle 5$ is $4 x-2$. Find the value of $x$.

