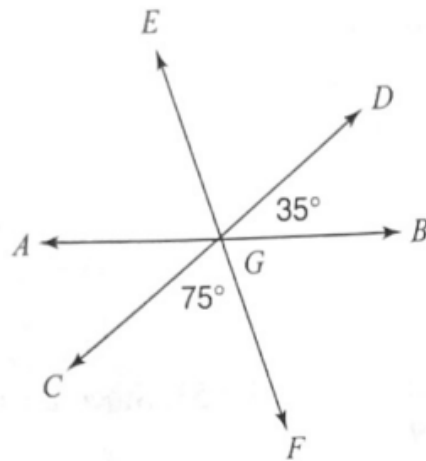
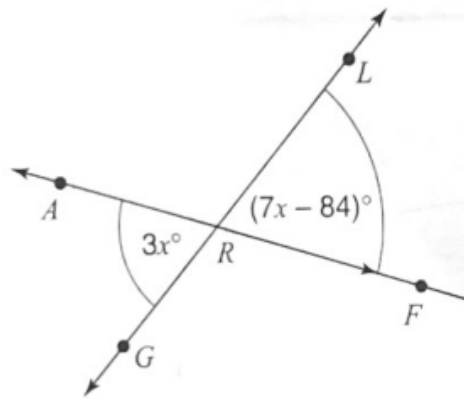


Geometry #7: Special Pairs of Angles
Big Idea

5. \overline{AB} and \overline{CD} intersect at E . If $m\angle AEC = 5x - 20$ and $m\angle BED = x + 52$, find $m\angle CEB$.
6. If the measure of an angle exceeds four times the measure of its complement by 25, what is the measure of the angle?



7. In the accompanying diagram, \overline{AB} , \overline{CD} , and \overline{EF} intersect at G . Find $m\angle AGE$.



8. In the accompanying diagram, \overline{AF} and \overline{LG} intersect at R . Find $m\angle ARG$.