

Geo

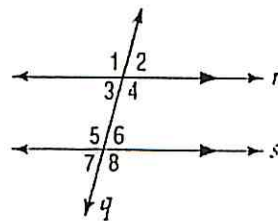
3.3

Sec 3.1

Justify with a theorem or postulate - **DO NOT JUST NAME THE ANGLE TYPE!!**

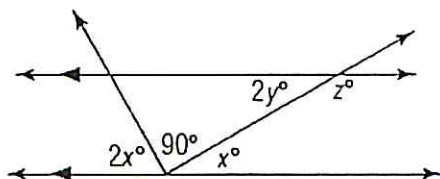
In the figure, $m\angle 2 = 70$. Find the measure of each angle.

1. $\angle 3$ 2. $\angle 5$ 3. $\angle 8$ 4. $\angle 1$ 5. $\angle 4$ 6. $\angle 6$

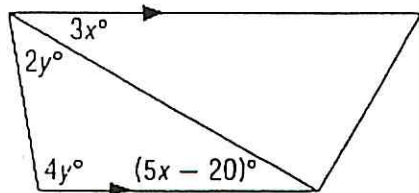


For 7 – 10, set up and solve algebraic equations to solve for the variable(s). Decide what type of angles they are...that will tell you whether to set up an equation based on congruent angles or supplementary angles.

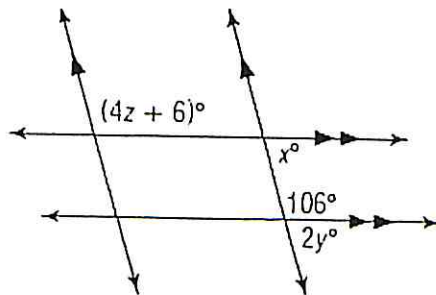
7.



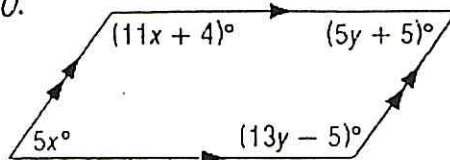
9.



8.



10.



11. Given: $a \parallel b$

Prove: $\angle 1$ and $\angle 2$ are supplementary

