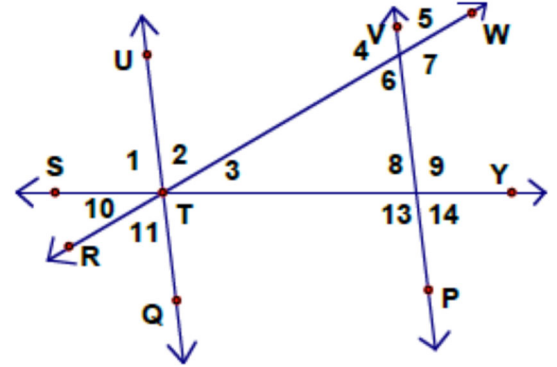


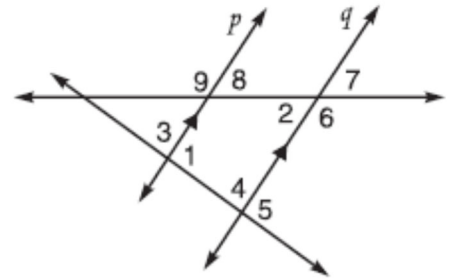
Name: _____

Date: _____

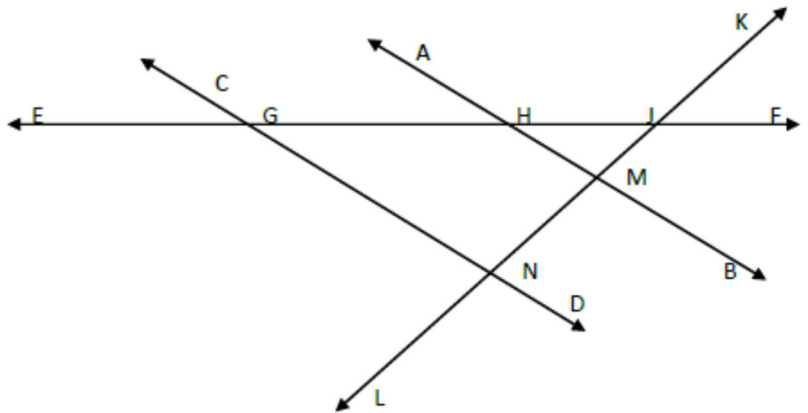
1. Given that $QU \parallel PV$, $\angle 7 = 120^\circ$, and $\angle 3 = 40^\circ$, find the measure of all the other numbered angles in the diagram below (you should have 11 angles).



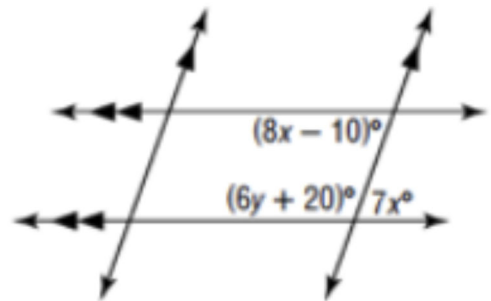
2. Given that $p \parallel q$, $\angle 1 = 78^\circ$, and $\angle 2 = 47^\circ$, find the measure of all the other numbered angles in the diagram below (you should have 7 angles).



3. Given that $AB \parallel CD$, $\angle HMJ = 102^\circ$, and $\angle NGE = 135^\circ$, find the measure of all the other numbered angles in the diagram below (you should have 10 angles).



4. Find the values of x and y in the diagram below (assuming both pairs of lines are parallel). Justify each step.



5. Find the values of x and y in the diagram below (assuming both pairs of lines are parallel). Justify each step.

