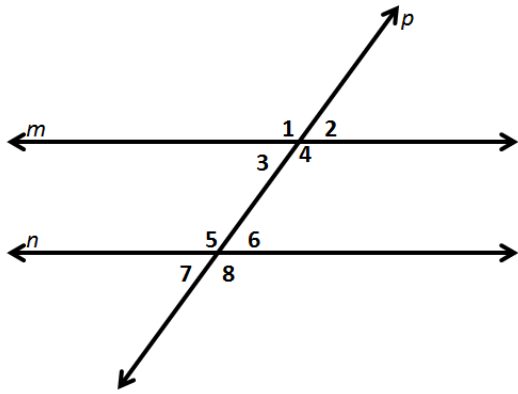


Parallel Lines Cut By A Transversal Notes

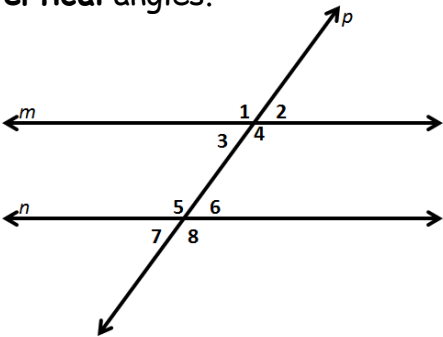
Reminder: Supplementary angles are two angles that add up to 180° . They make a straight line.



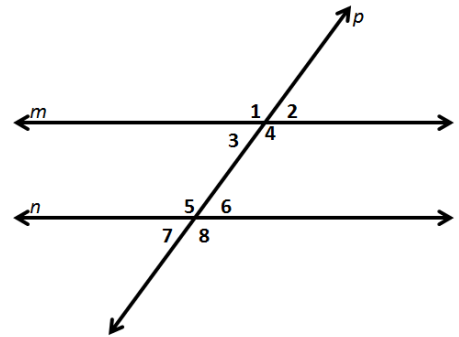
1. Name the parallel lines.

2. Name the transversal.

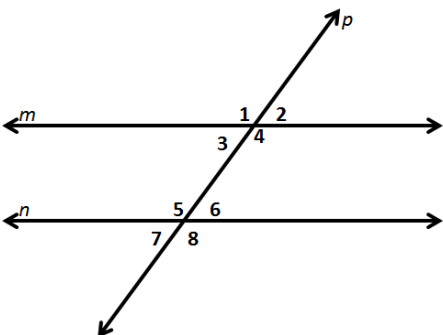
3. Name and highlight the **vertical angles**.



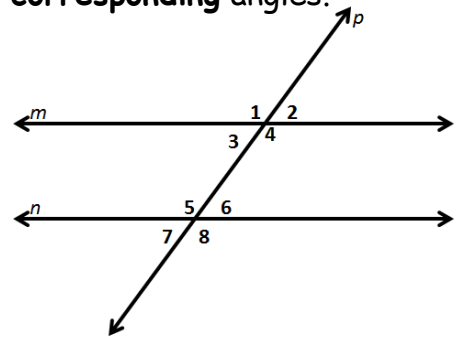
4. Name and highlight the **alternate interior angles**.



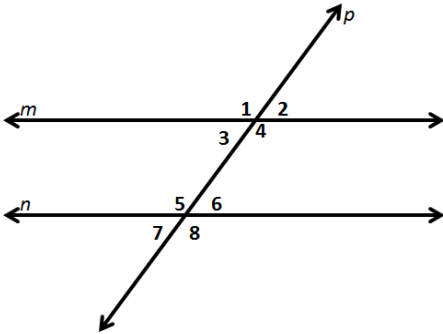
5. Name and highlight the **alternate exterior angles**.



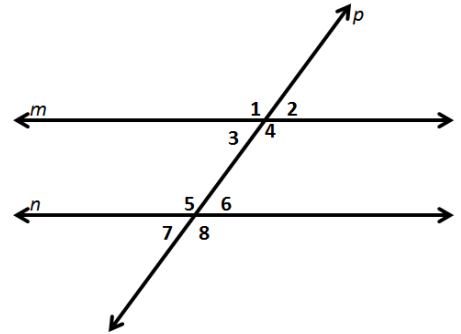
6. Name and highlight the **corresponding angles**.



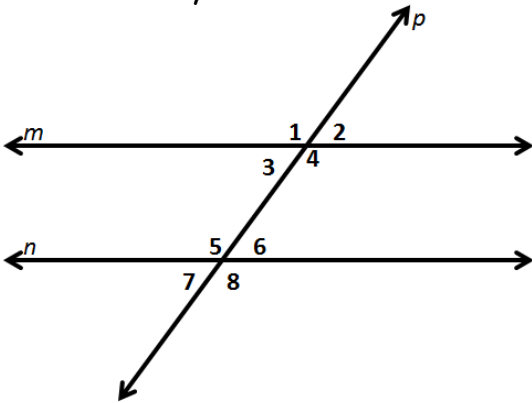
7. Name and highlight the **same side interior angles**.



8. Name and highlight the **same side exterior angles**.

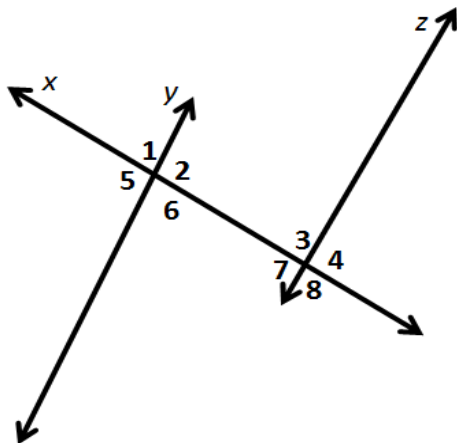


If you know the measure of one of the 8 angles, you can find the measure of all of the others. Try it. The measure of $\angle 1 = 120^\circ$.



- $\angle 2 =$
- $\angle 3 =$
- $\angle 4 =$
- $\angle 5 =$
- $\angle 6 =$
- $\angle 7 =$
- $\angle 8 =$

Try it again. The measure of $\angle 1 = 72^\circ$.



- $\angle 2 =$
- $\angle 3 =$
- $\angle 4 =$
- $\angle 5 =$
- $\angle 6 =$
- $\angle 7 =$
- $\angle 8 =$