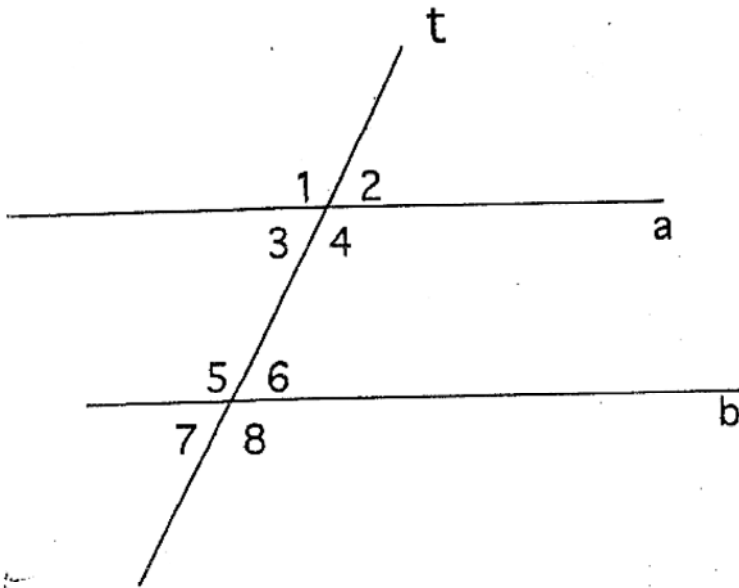


Transversals & Parallel Lines



TWO LINES CUT BY A TRANSVERSAL

If two parallel lines a and b are cut by transversal t , what happens to the angles?
Measure all numbered angles.



- $m\angle 1 =$ _____
- $m\angle 2 =$ _____
- $m\angle 3 =$ _____
- $m\angle 4 =$ _____
- $m\angle 5 =$ _____
- $m\angle 6 =$ _____
- $m\angle 7 =$ _____
- $m\angle 8 =$ _____

1. How many angles with different measures are formed? _____
2. List all pairs of corresponding angles. How do their measures compare?
3. List all pairs of alternate interior angles. How do their measures compare?
4. List all pairs of alternate exterior angles. How do their measures compare?
5. List all pairs of same-side interior angles. What relationship do these angles have?