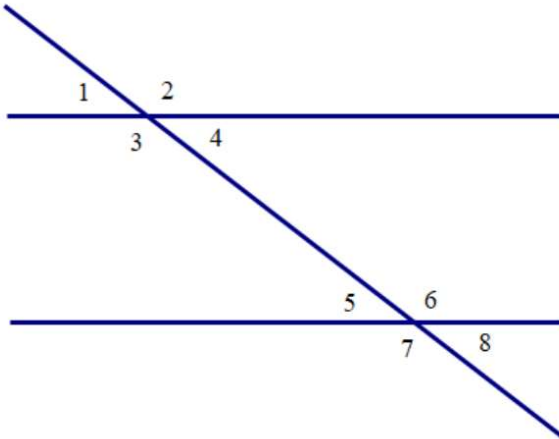


Name \_\_\_\_\_  
Mr. Schlansky

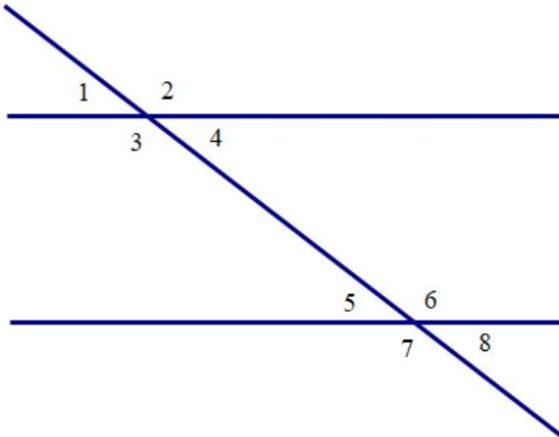
Date \_\_\_\_\_  
Geometry

## *Parallel Lines Cut By a Transversal*

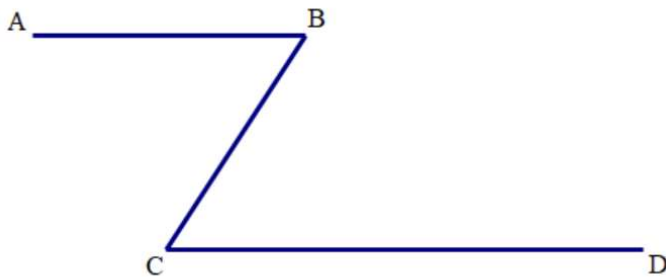
1. In the diagram below, two parallel lines are cut by a transversal. If  $m\angle 1 = 60$ , fill in the rest of the angles.



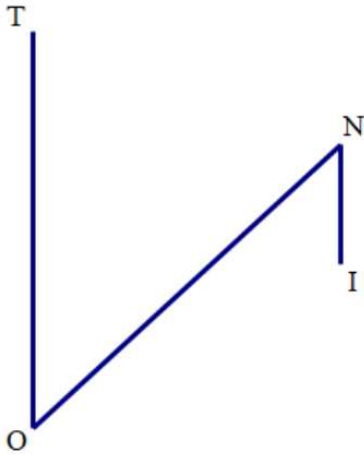
2. In the diagram below, two parallel lines are cut by a transversal. If  $m\angle 2 = 100$ , fill in the rest of the angles.



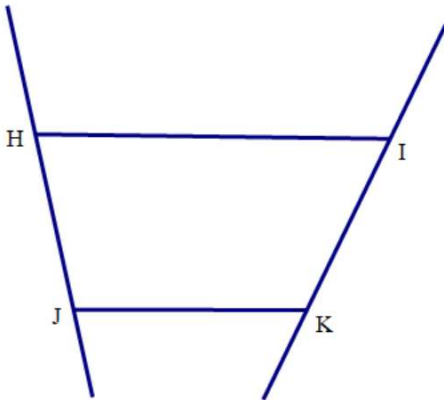
3. In the diagram below,  $\overline{AB} \parallel \overline{CD}$ . If  $m\angle ABC = 40$ , create and find 8 angles.



4. In the diagram below,  $\overline{TO} \parallel \overline{NI}$ . If  $m\angle TON = 30$ , create and find 8 angles.



5. In the diagram below,  $\overline{HI} \parallel \overline{JK}$ . If  $m\angle HIK = 70$ , create and find 16 angles.



6. Trapezoid TACO has  $\overline{TO} \parallel \overline{AC}$ . If  $m\angle TOC = 120$ , create and find 16 angles.

