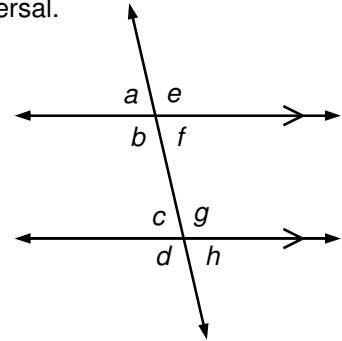


## Showing Your Work: Classwork

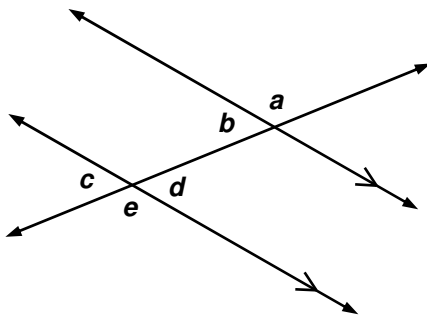
1. The diagram on the right shows two parallel lines intersected by a transversal.

- Name all pairs of corresponding angles (there are four pairs).
- Name all pairs of vertical angles (there are four pairs).
- Name all pairs of alternate interior angles (there are two pairs).
- Name all pairs of alternate exterior angles (there are two pairs).
- Suppose  $m\angle f = 65^\circ$ . Find the measures of all the other angles.

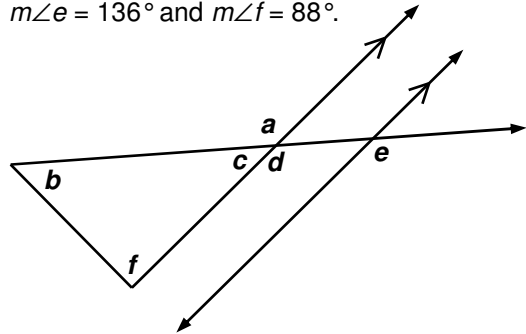


Answer the rest on your POD paper. Explain how you determined each angle measure.

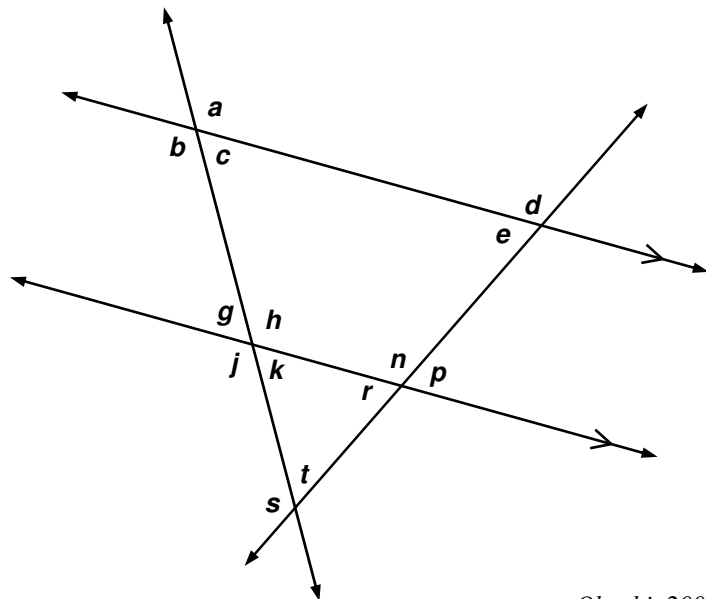
2. Find the missing angle measures if  $m\angle c = 57^\circ$ .



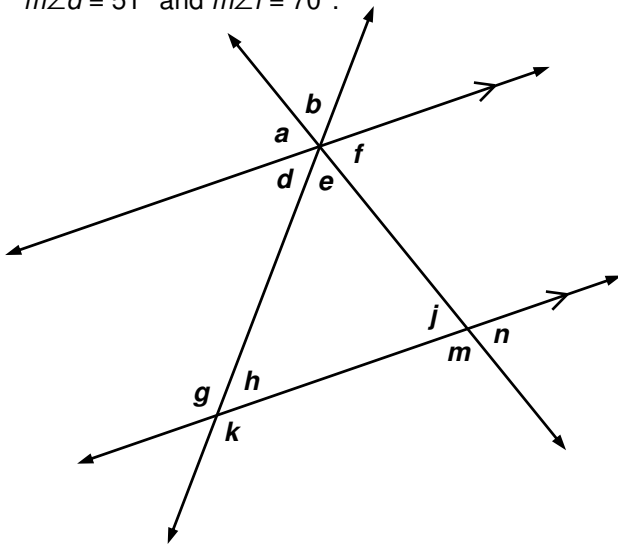
3. Find the missing angle measures if  $m\angle e = 136^\circ$  and  $m\angle f = 88^\circ$ .



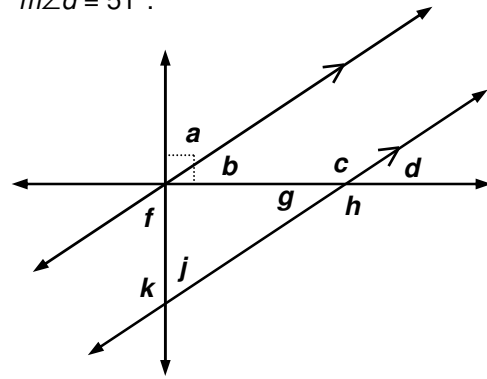
4. Find the missing angle measures if  $m\angle c = 61^\circ$  and  $m\angle p = 64^\circ$ .



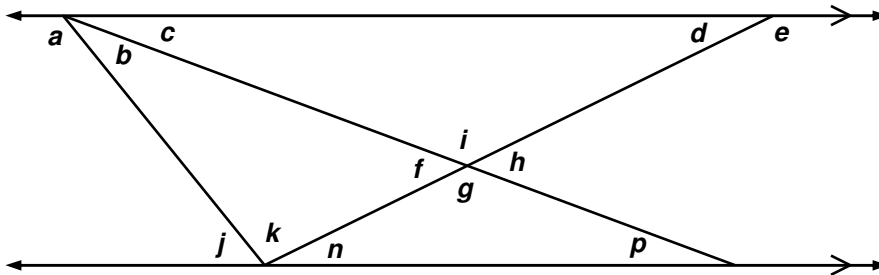
5. Find the missing angle measures if  $m\angle d = 51^\circ$  and  $m\angle f = 70^\circ$ .



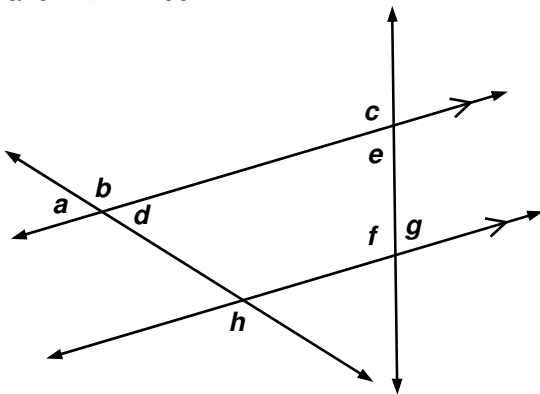
6. Find the missing angle measures if  $m\angle d = 51^\circ$ .



7. Find the missing angle measures if  $m\angle c = 19^\circ$ ,  $m\angle e = 155^\circ$ , and  $m\angle j = 51^\circ$



8. Find the missing angle measures if  $m\angle a = 51^\circ$  and  $m\angle f = 106^\circ$ .



9. Find the missing angle measures if  $m\angle g = 44^\circ$  and  $m\angle k = 116^\circ$ .

