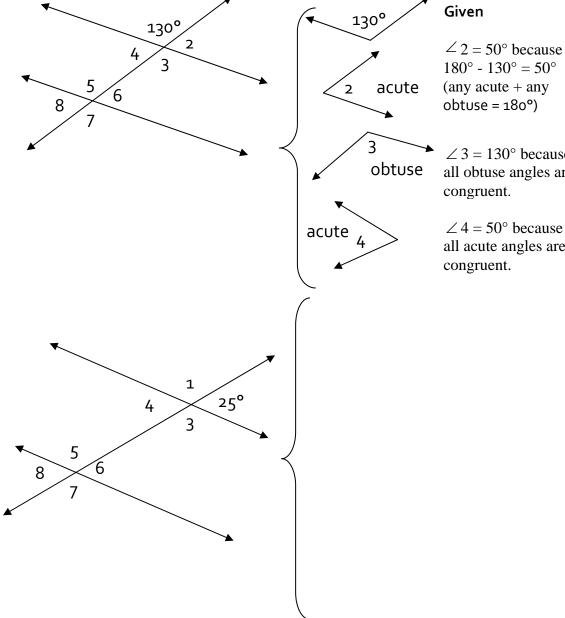
## **Parallel Lines and Transversals Homework**

Draw the Brace Map for each diagram. Fill in each angle's type (acute or obtuse). Use what you learned in the activity to solve for all eight angle's degrees. Explain the solution. The first example has been done for you.



 $\angle 3 = 130^{\circ}$  because all obtuse angles are

 $\angle 4 = 50^{\circ}$  because all acute angles are

 $\angle 5 = 130^{\circ}$  because all obtuse angles are obtuse congruent.

> $\angle 6 = 50^{\circ}$  because acute all acute angles are congruent.

 $\angle 7 = 130^{\circ}$  because all obtuse angles are obtuse congruent.

acute  $\angle 8 = 50^{\circ}$  because all acute angles are congruent.

