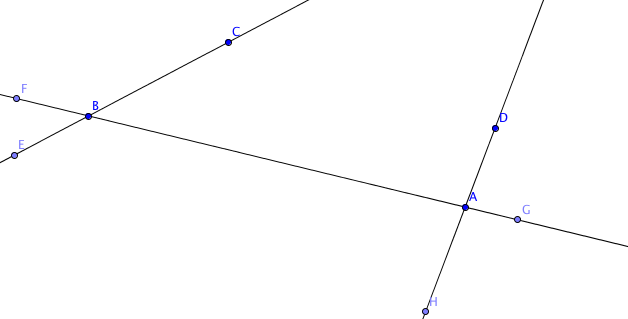
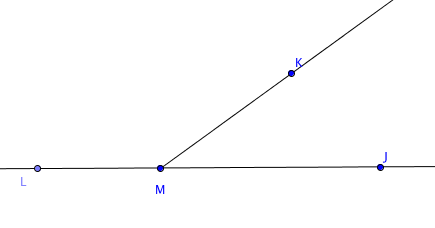
**Activity 2.5.3 Identifying Angle Pairs**

AB is a transversal intersection line at *B* and line at *A*. Use the figure below to answer these questions:

1. and are a pair of corresponding angles.
2. and are a pair of vertical angles.
3. Name another pair of vertical angles.
4. and are a pair of alternate interior angles.
5. and are a linear pair of angles.
6. Name one pair of same side interior angles.
7. Name an angle that must be congruent to angle



In this figure, *M* is a point on

1. Suppose m Find m
2. Suppose m is twice the size of m Find the measure of each angle.
3. Suppose m is 80° less than m. Find the measure of each angle.
4. Do you agree or disagree with this statement “If is an acute angle, then m must be an obtuse angle”? Explain your reasoning.