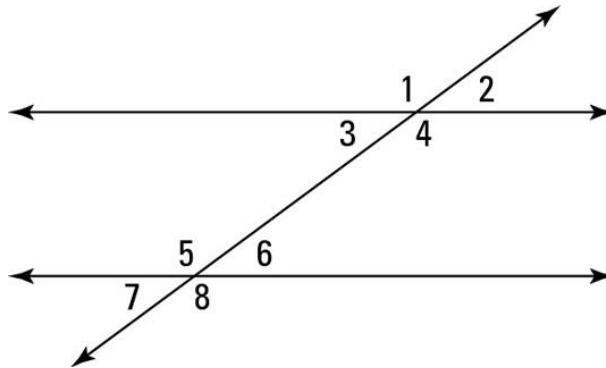


Parallel Lines Cut by a Transversal



Use the diagram to answer the following questions. The diagram is a pair of parallel lines cut by a transversal.

1. Name two different pairs of vertical angles.

2. Name two different pairs of supplementary angles.

3. Name two different pairs of corresponding angles.

4. Name the two pairs of angles that are alternate interiors.

5. Name the two pairs of angles that are alternate exteriors.

6. How much will angle 6 and angle 4 always add to?

7. How much will angle 7 and angle 1 always add to?

8. Which pair of angles are equal to angles 3 and 2?

9. Which pair of angles are equal to angles 5 and 8?

10. If angle 2 is equal to 30 degrees, find all other angles and fill them in on the above diagram.