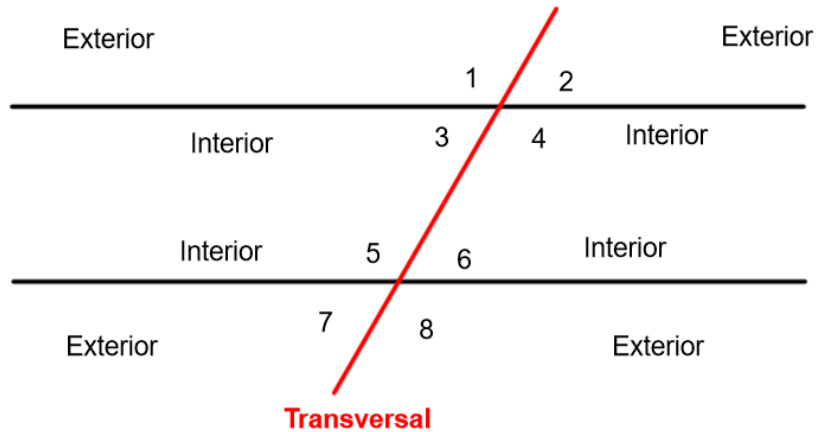


Geometry – Parallel Lines and a Transversal

Objectives:

- Identify pairs of angles: corresponding angles, vertically opposite, alternate interior, alternate exterior, same side interior and straight angles.
- Solve equations based on properties of parallel lines and a transversal.



Corresponding Angle Pairs:

Alternate Interior Angle Pairs:

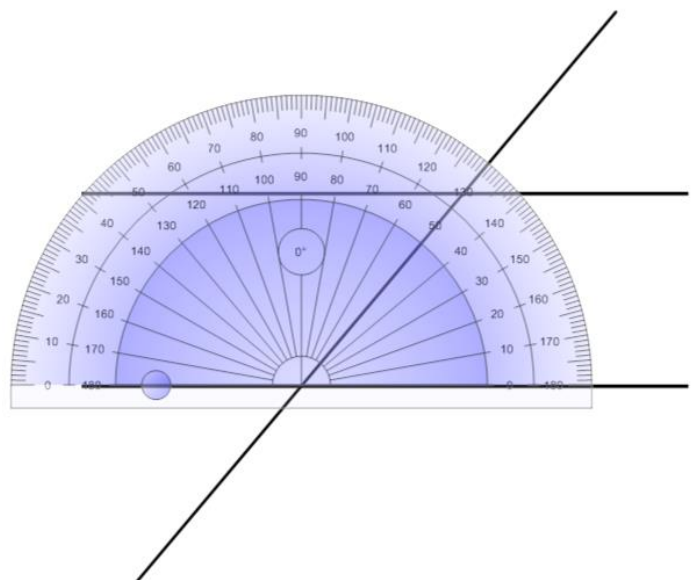
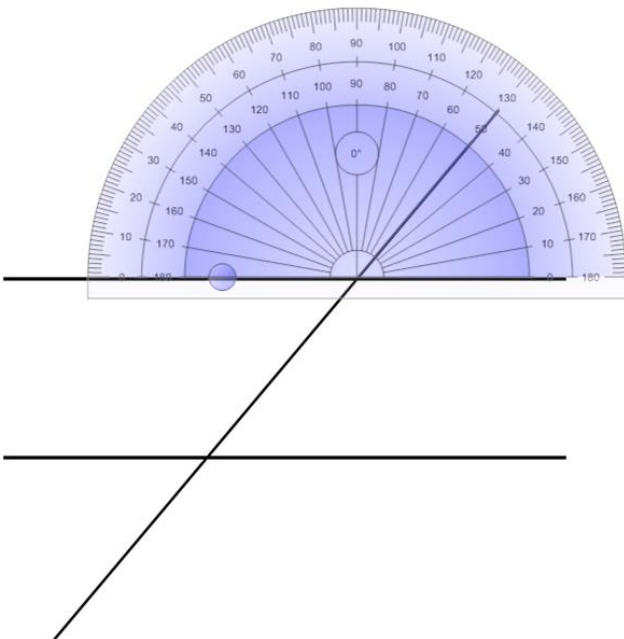
Alternate Exterior Angle Pairs:

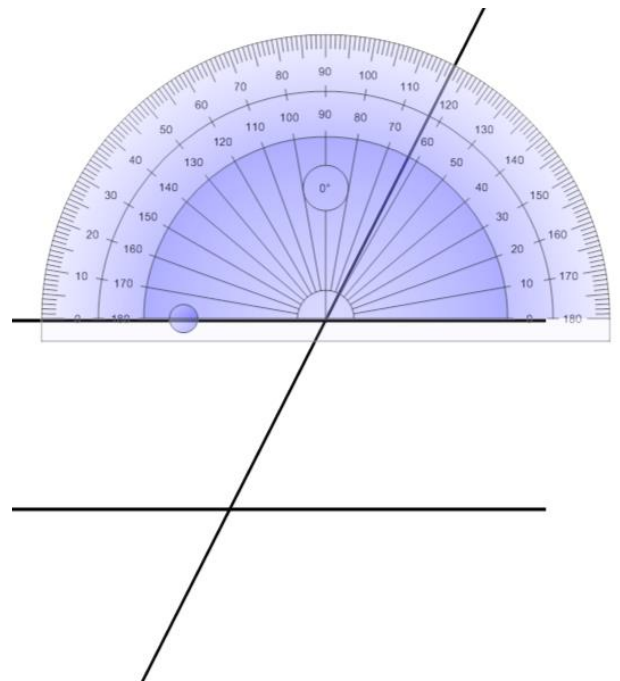
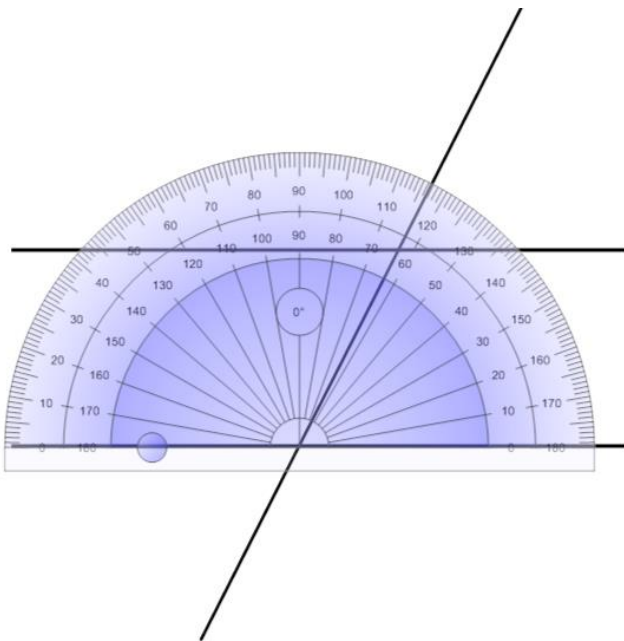
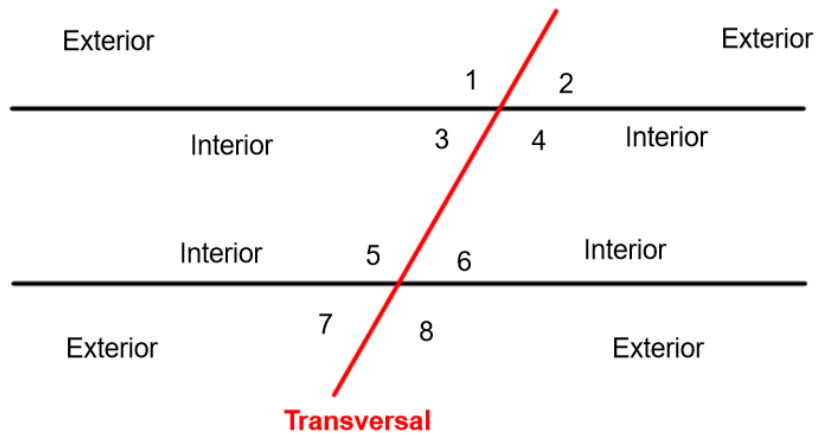
Same Side Interior Angle Pairs:

Opposite Angle Pairs:

Straight Angle Pairs:

- A. The following diagrams are two parallel lines with a transversal duplicated. Use the protractor image to determine the angle measurements for the top four and bottom four angles.





Angles Properties:

Corresponding Angles:

Alternate Interior Angles:

Alternate Exterior Angles:

Same Side Interior Angles:

Opposite Angles:

Straight Angles: