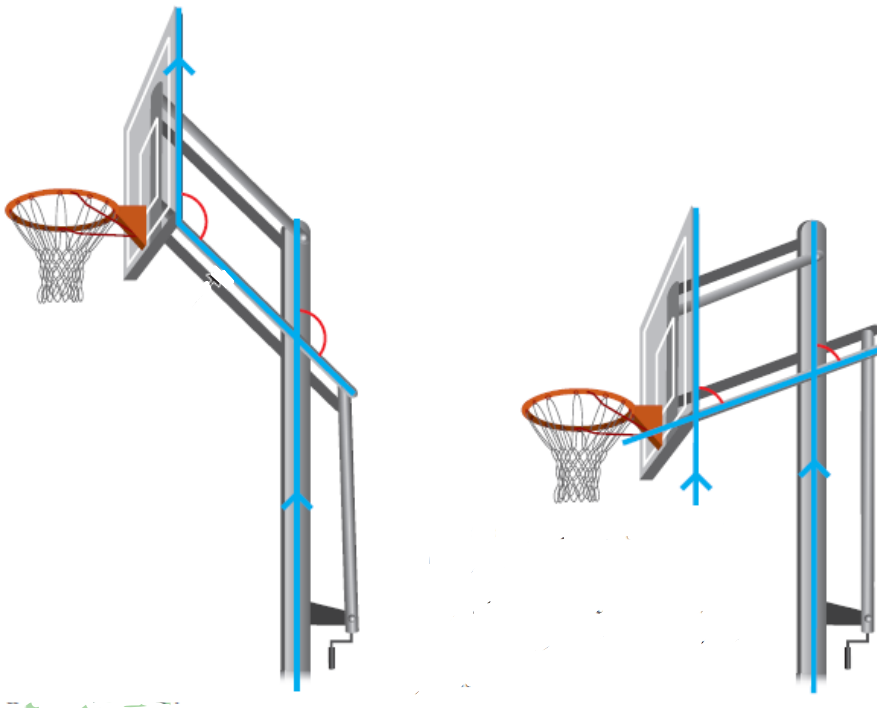


2.1.1: Exploring Parallel Lines

Parallel Lines _____

Transversal _____

Label the parallel lines and the transversal on the diagrams below.



Exploring Angle Relationships

Given the diagram at the right, PREDICT the measures of the angles d through g .

$\angle a =$ _____

$\angle b =$ _____

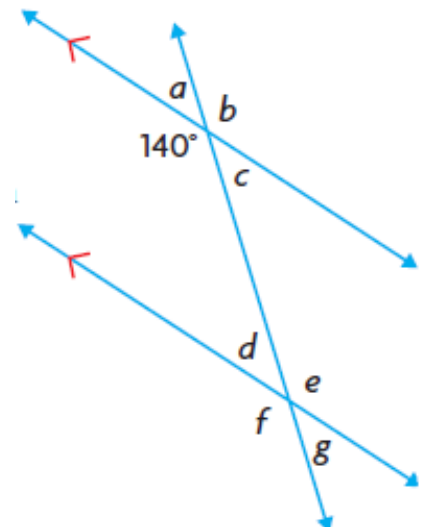
$\angle c =$ _____

$\angle d =$ _____

$\angle e =$ _____

$\angle f =$ _____

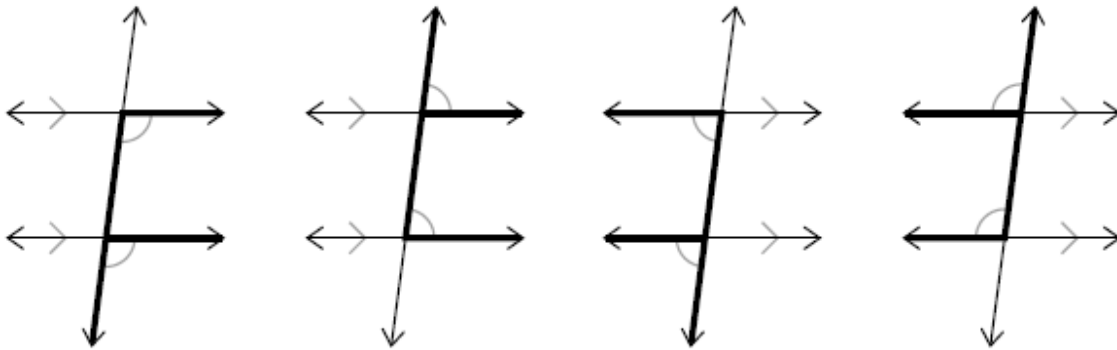
$\angle g =$ _____



Interior Angles: _____

Exterior Angles: _____

Corresponding Angles: _____



Conjecture: _____

Converse: _____

Write the converse of your conjecture for corresponding angles

Do your conjectures about corresponding angles and parallel lines hold when a transversal intersects a pair of non-parallel lines? Use diagrams to justify your decision.

Alternate Interior Angles:

