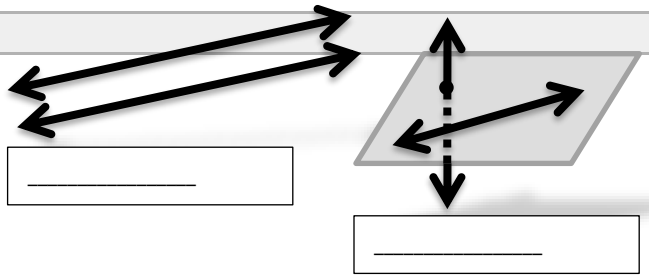
Geometry

3.1 Pairs of Lines and Angles

Pairs of Lines



Parallel Lines (_____)

- Lines that do _____ and are_____
- Lines go in the _____ direction

_____

_____

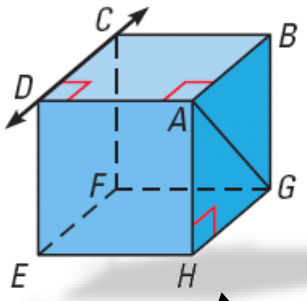
Skew Lines

- Lines that do _____ and are _____
- Lines go in _____ directions

Name the lines through point H that appear skew to $\overleftrightarrow{CD}$

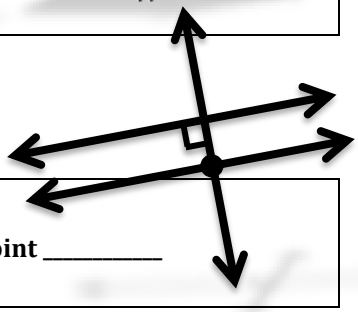
Name the lines containing point H that appear parallel to $\overleftrightarrow{CD}$

Name a plane that is parallel to plane CDE and contains point H



In a plane, two lines are either

- _____
- _____



Parallel Postulate

If there is a line and a point not on the line, then there is exactly _____ line through the point _____ to the given line.

Perpendicular Postulate

If there is a line and a point not on the line, then there is exactly _____ line through the point _____ to the given line.

Pairs of Angles

Transversal

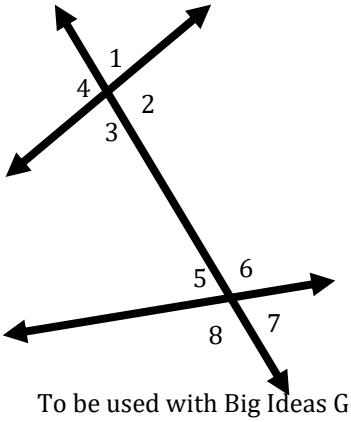
- Line that intersects _____ _____ lines

Interior ∠

- angles that are _____ the lines
- _____

Exterior ∠

- angles that are _____ the lines
- _____



Geometry 3.1 Name: _____

Alternate interior angles

- interior angles on _____ sides of the transversal
- _____

Alternate exterior angles

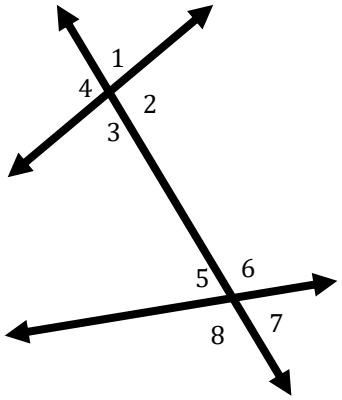
- exterior angles on _____ sides of the transversal
- _____

Consecutive interior angles

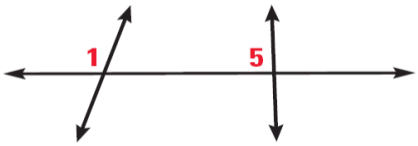
- interior angles on the _____side of the transversal
- _____

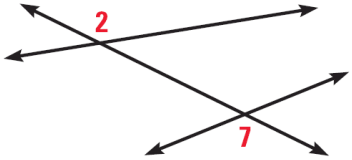
Corresponding angles

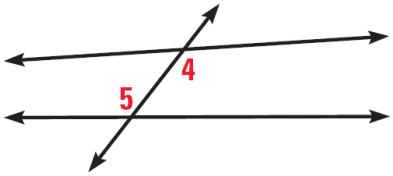
- angles on the same _____ relative to the transversal
- _____



Classify the pair of numbered angles







Assignment: 125 #2, 4, 6, 8, 9, 10, 11, 12, 14, 15, 16, 20, 21, 22, 24, 28, 32, 33, 35, 36 = 20 total