

TODAY'S AGENDA: October 2nd-3rd

- Work on Khan Academy Mission:
- Complete Mission Foundation Skills
- Today's Objective: Whole-Group Lessons:
- Points, Lines, and Planes
- Standards:
 - G.GMD.1 Give an informal argument for the formulas for the circumference of a circle, area of a circle,...
- Continue With Your Mission Assignments

POINTS (dot)

.

0-dimensions

can NOT
measure

Label w/
one letter

• p point p

LINES

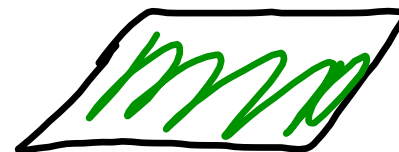


1-dimension
(length)
can measure

Label w/
2 letters



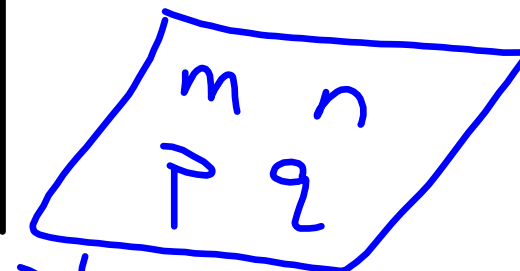
PLANES



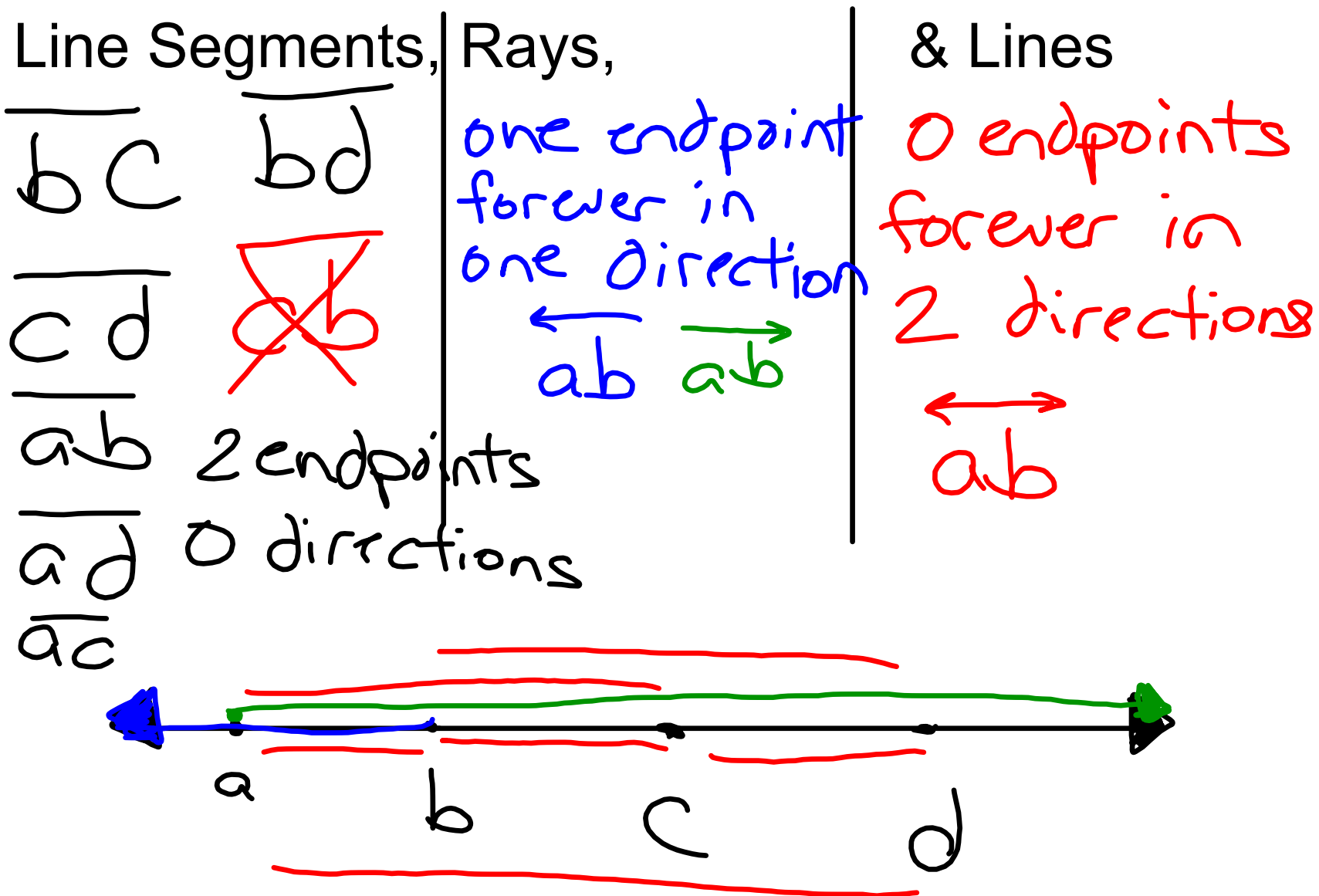
flat surface

2 dimensions
(length + width)
(area)


Label w/
3 letters

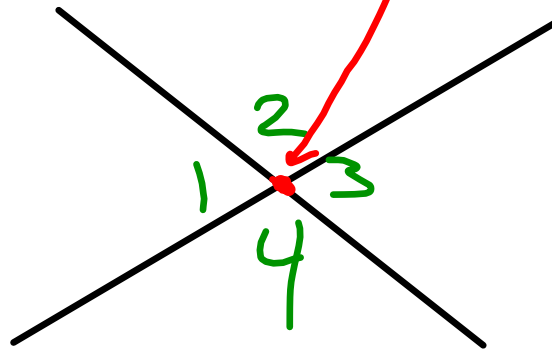


plane mnp



Intersecting Lines

"X" maker
= vertical
angles 



vertex

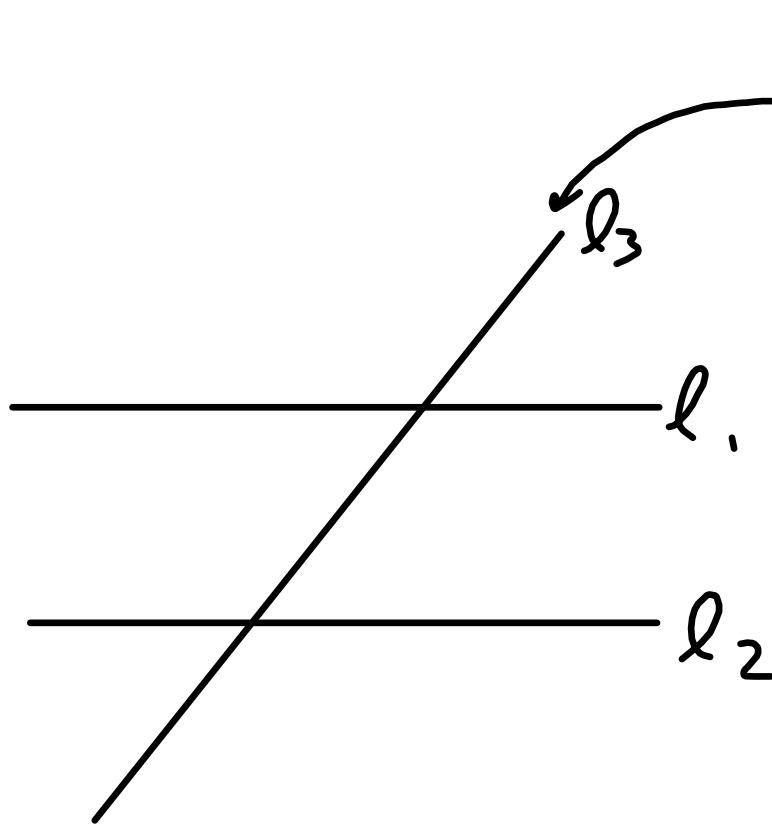
$$\angle 1 \cong \angle 3$$

$$\angle 2 \cong \angle 4$$

 = Congruent

- Congruent means the measures are equal.

Intersecting Lines : 2 parallel lines
cut by a transversal

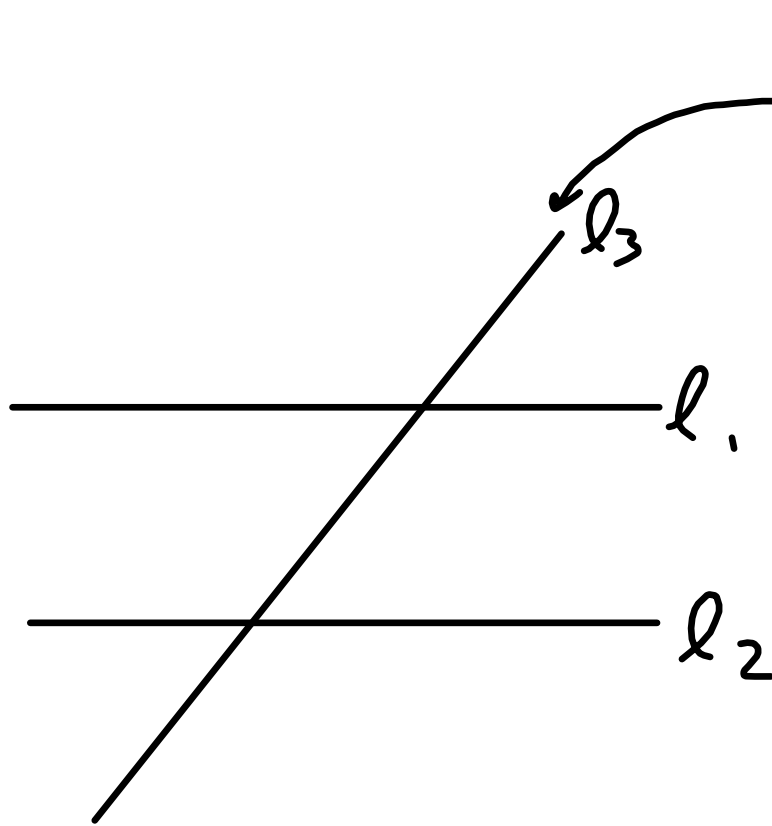


Make the
letters:

① X ② F

③ C ④ Z

Intersecting Lines : 2 parallel lines
cut by a transversal



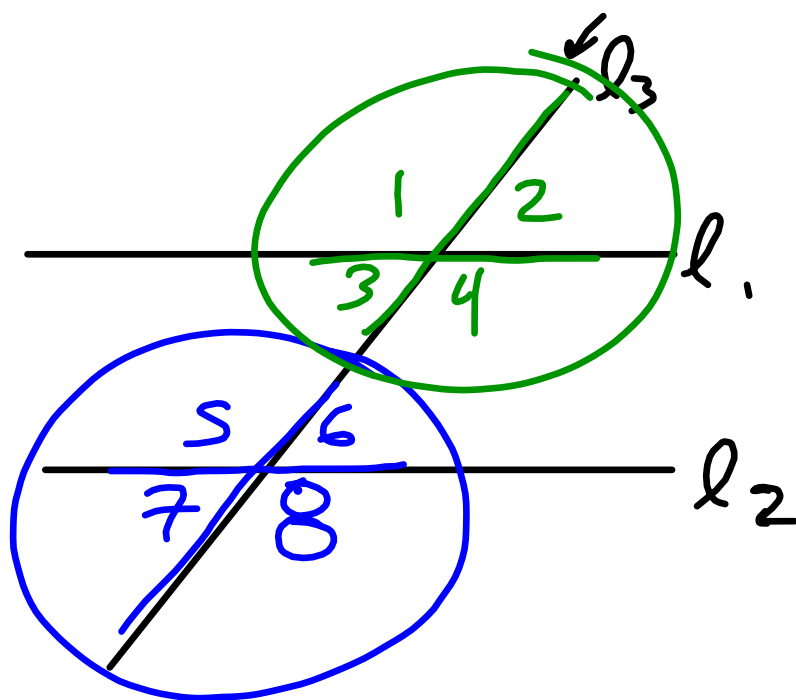
Make the
letters:

① X ② F

③ C ④ Z

Intersecting Lines

The letter X
make vertical
\angle's!



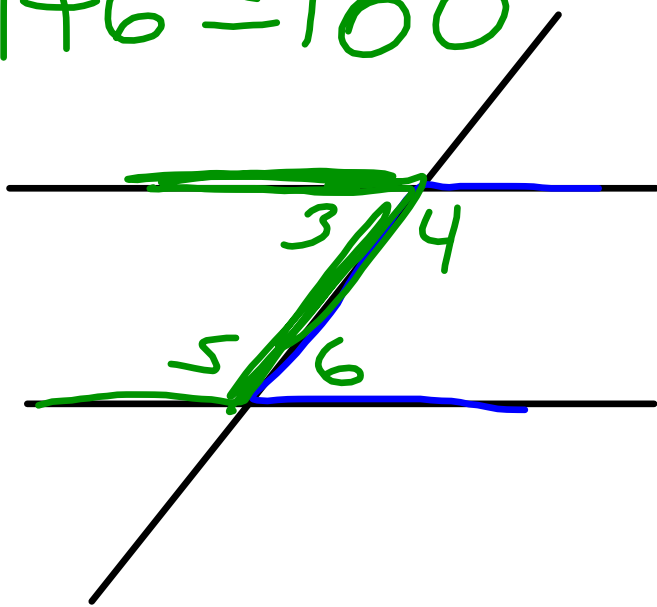
Vertical \angle's
are

$$\begin{array}{l} 1 \cong 4 \cong 5 \cong 8 \\ 2 \cong 3 \cong 6 \cong 7 \end{array}$$

Intersecting Lines

$$3 + 5 = 180^\circ$$

$$4 + 6 = 180^\circ$$



The letter C

Corresponding
Angles

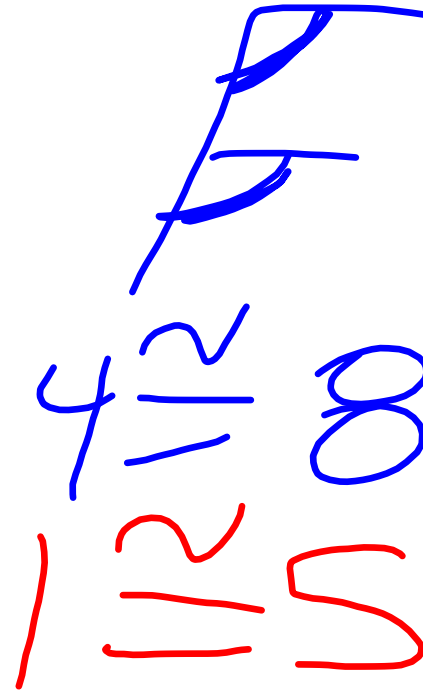
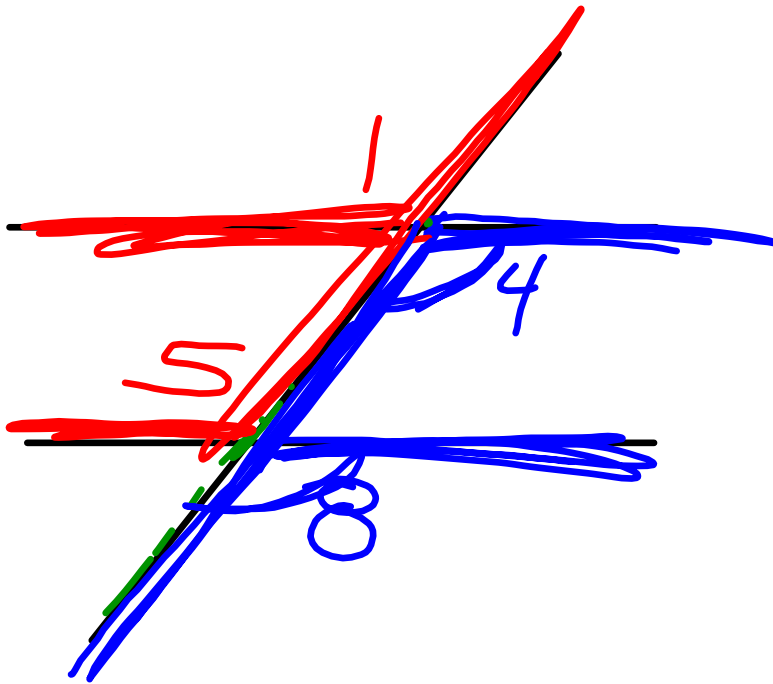
1 Big + 1 Little

1 Obtuse + 1 Acute

$$1 \text{ ob} + 1 \text{ ac} = 180^\circ$$

Intersecting Lines

The letter F



Intersecting Lines

The letter Z

Alternate

Interior

Angles

$$\angle 3 = \angle 6$$

$$\angle 4 = \angle 5$$

