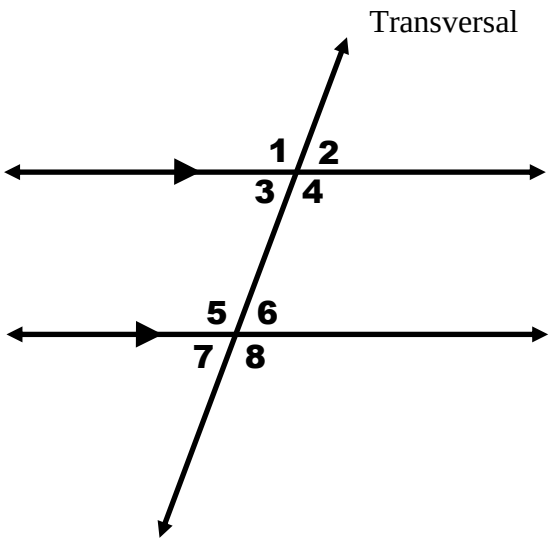
TOPIC 3-1: PARALLEL LINES

When two lines are cut by a transversal, several types of angle pairs are formed. You are going to highlight the different angle pairs we learn about. After highlighting, you will name the angle pairs and answer questions.

Angle Pair	Highlight Color	Name the Angle Pair
Alternate Interior Angles	1 Pair Yellow and 1 Pair Blue (There are two pair of these)	1. 2.
Alternate Ext. Angles	Two different highlighter colors(not yellow or blue) (There are two pair of these also)	1. 2.



After highlighting and naming the angles pairs what do you notice?

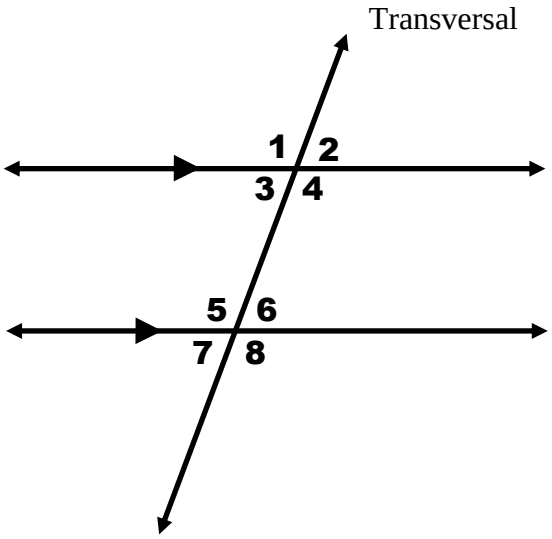
Alternate Interior Angles are :

_____

Alternate Exterior Angles are :

_____

Angle Pair	Highlight Color	Name the Angle Pairs
Same-Side Interior Angles	Yellow and Blue (There are two pair of these)	1. 2.
Same-Side Exterior Angles	2 different colors(not yellow or blue) (There are two pair of these also)	1. 2.



After highlighting and naming the angles pairs what do you notice?

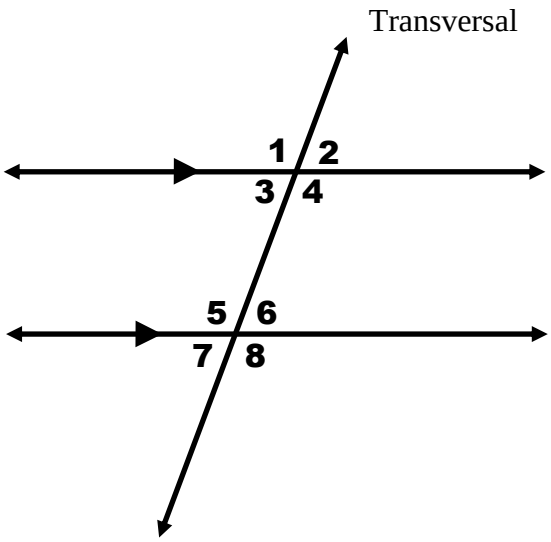
Same-Side Interior Angles are :

_____

Same-Side Exterior Angles are :

_____

Angle Pair	Highlight Color	Name the Angle Pairs
Corresponding Angles	4 different Colors (There are four pair of these)	1. 2. 3. 4.

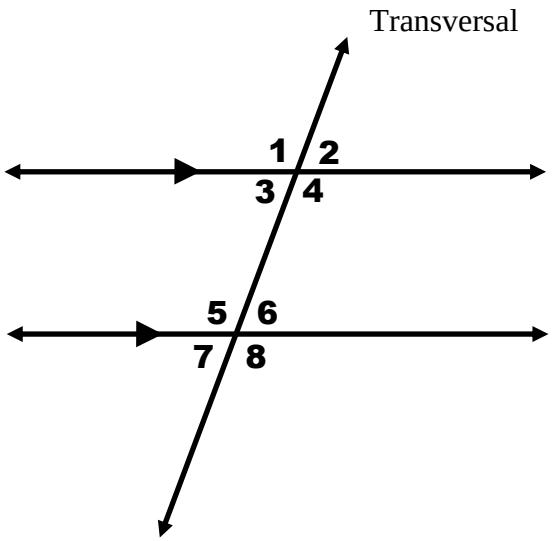


After highlighting and naming the angles pairs what do you notice?

Corresponding Angles are :

_____

Angle Pair	Highlight Color	Name the Angle Pairs
Vertical Angles	4 different Colors (There are four pair of these)	1. 2. 3. 4.

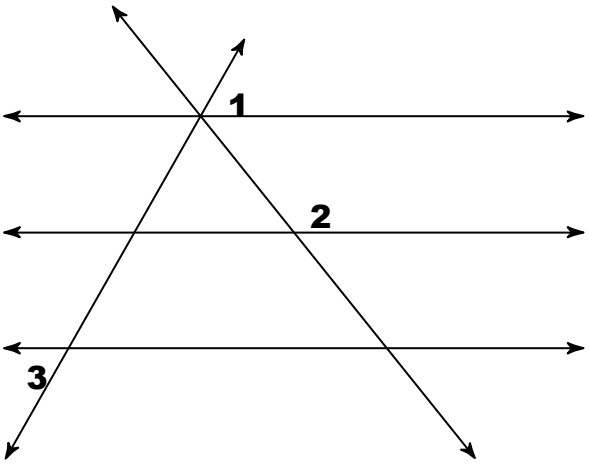


After highlighting and naming the angles pairs what do you notice?

Vertical Angles are :

_____

PRACTICE:



Name the type of angle pair:

1. ∠1 & ∠2 _____
2. ∠1 & ∠3 _____
3. ∠2 & ∠3 _____