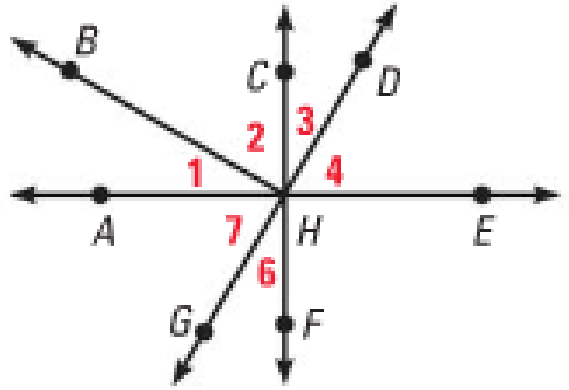
Tuesday, September 30

Objective

- ✓SWBAT identify angle pair relationships when a transversal is present

DO NOW

given $m\angle FHE = m\angle BHG = m\angle AHF = 90°$.



If $m\angle 3 = 30°$, then $m\angle 6 =$?.

If $m\angle BHF = 115°$, then $m\angle 3 =$?.

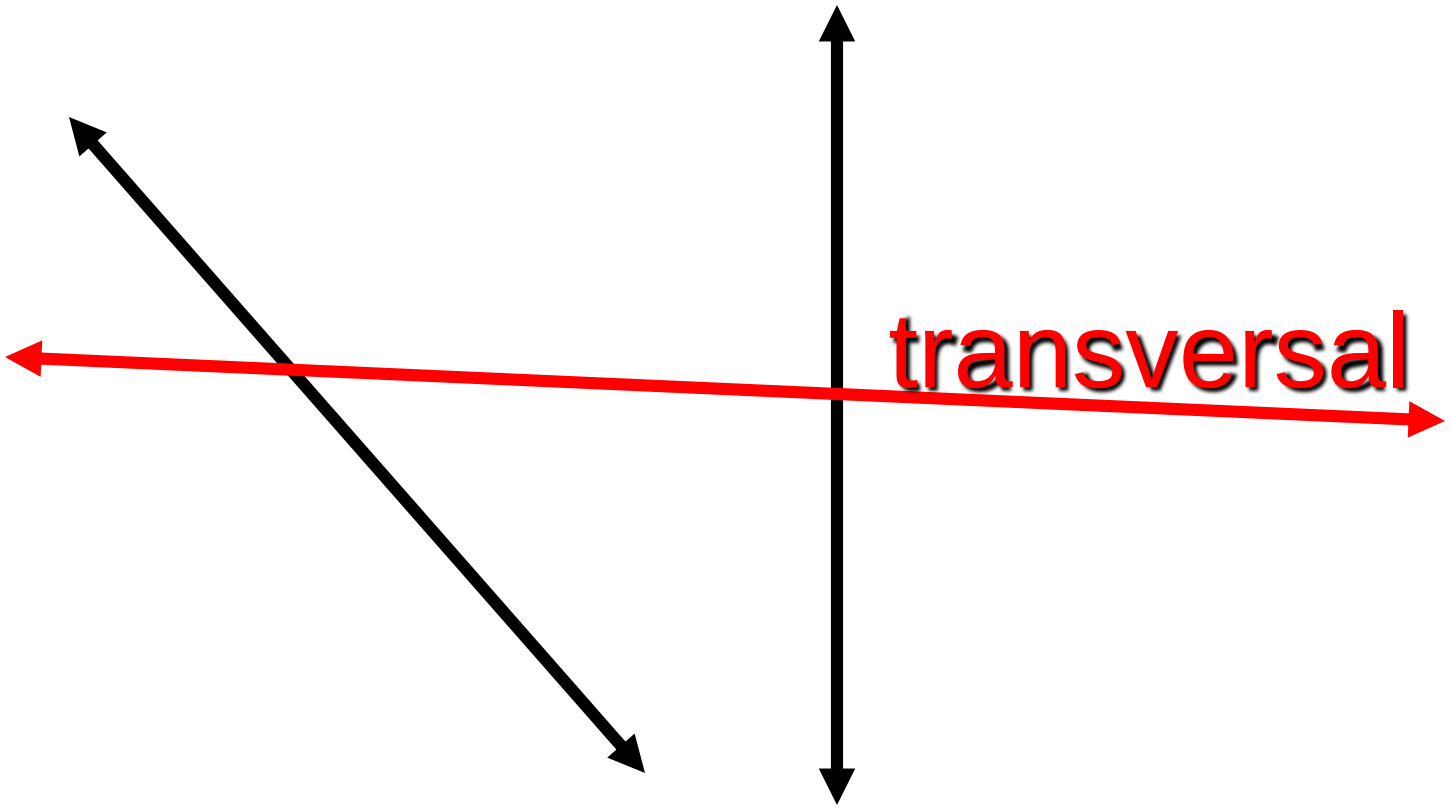
If $m\angle 6 = 27°$, then $m\angle 1 =$?.

If $m\angle DHF = 133°$, then $m\angle CHG =$?.

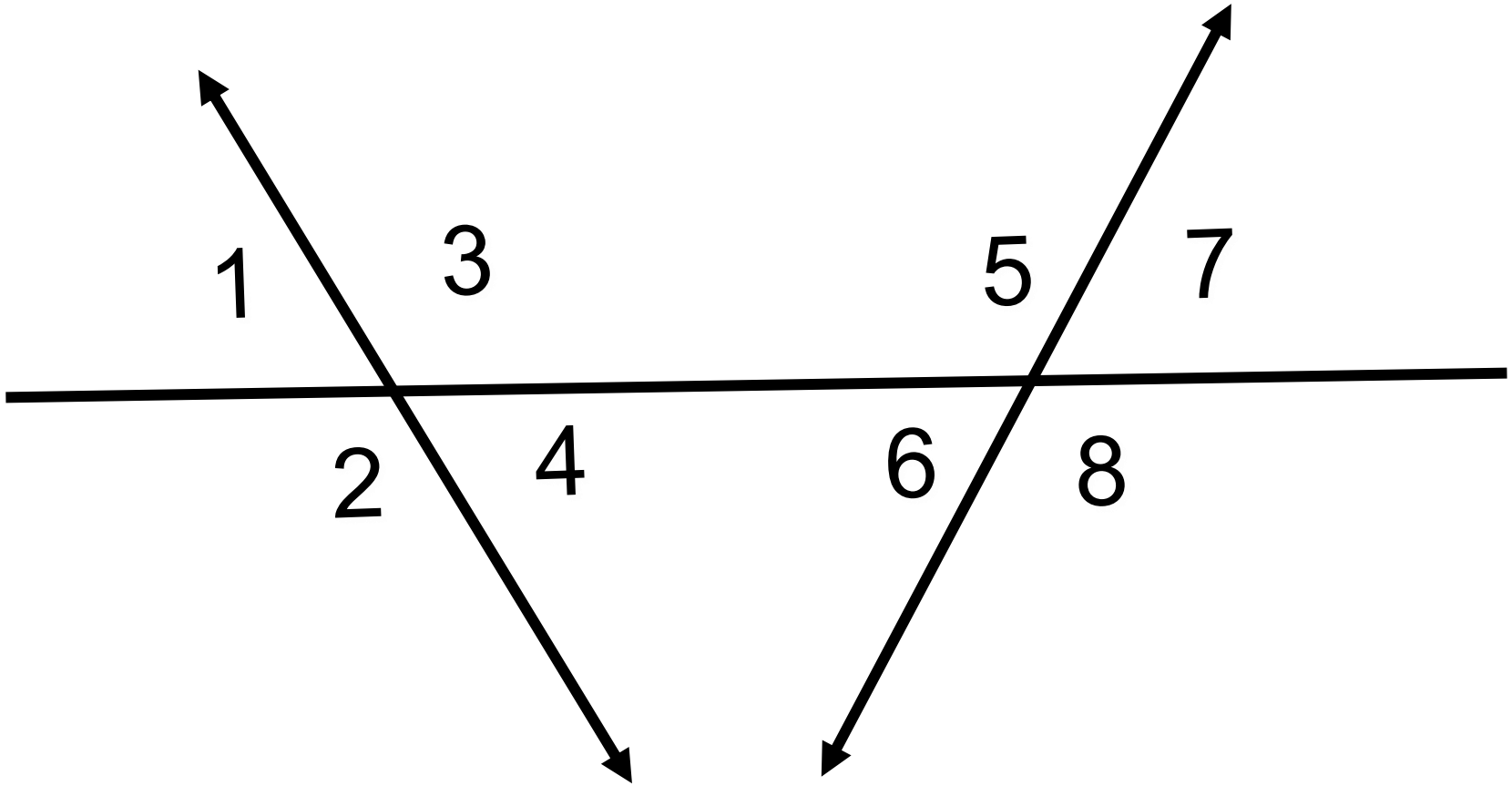
If $m\angle 3 = 32°$, then $m\angle 2 =$?.

HW p. 150 #12-22 even, 30, 32

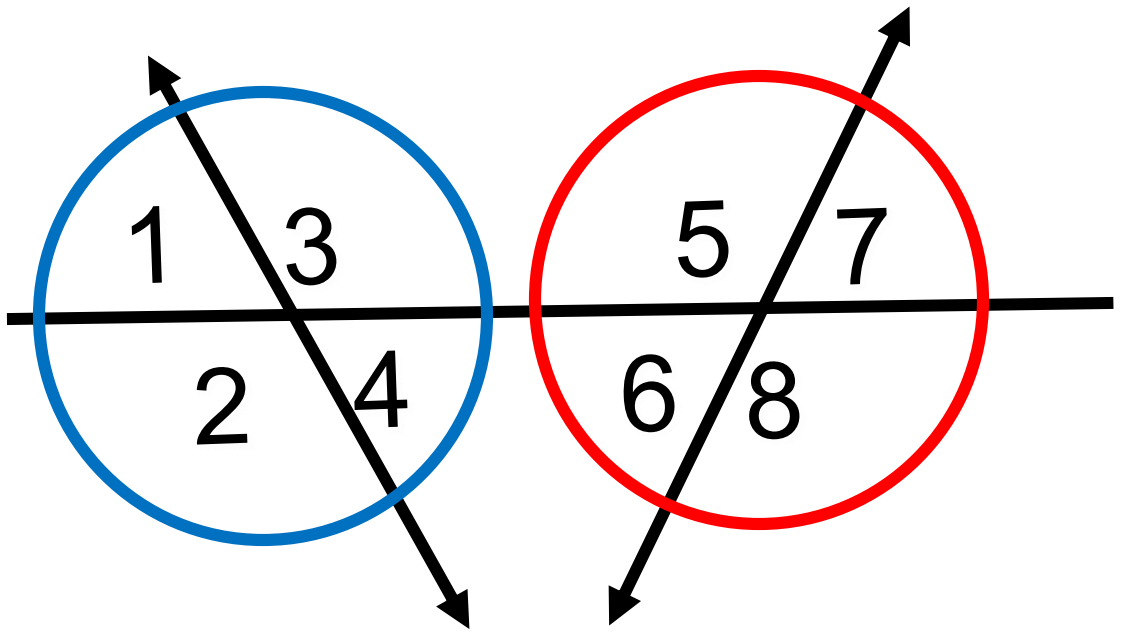
A Line that intersects 2 or more lines at different points is called a Transversal



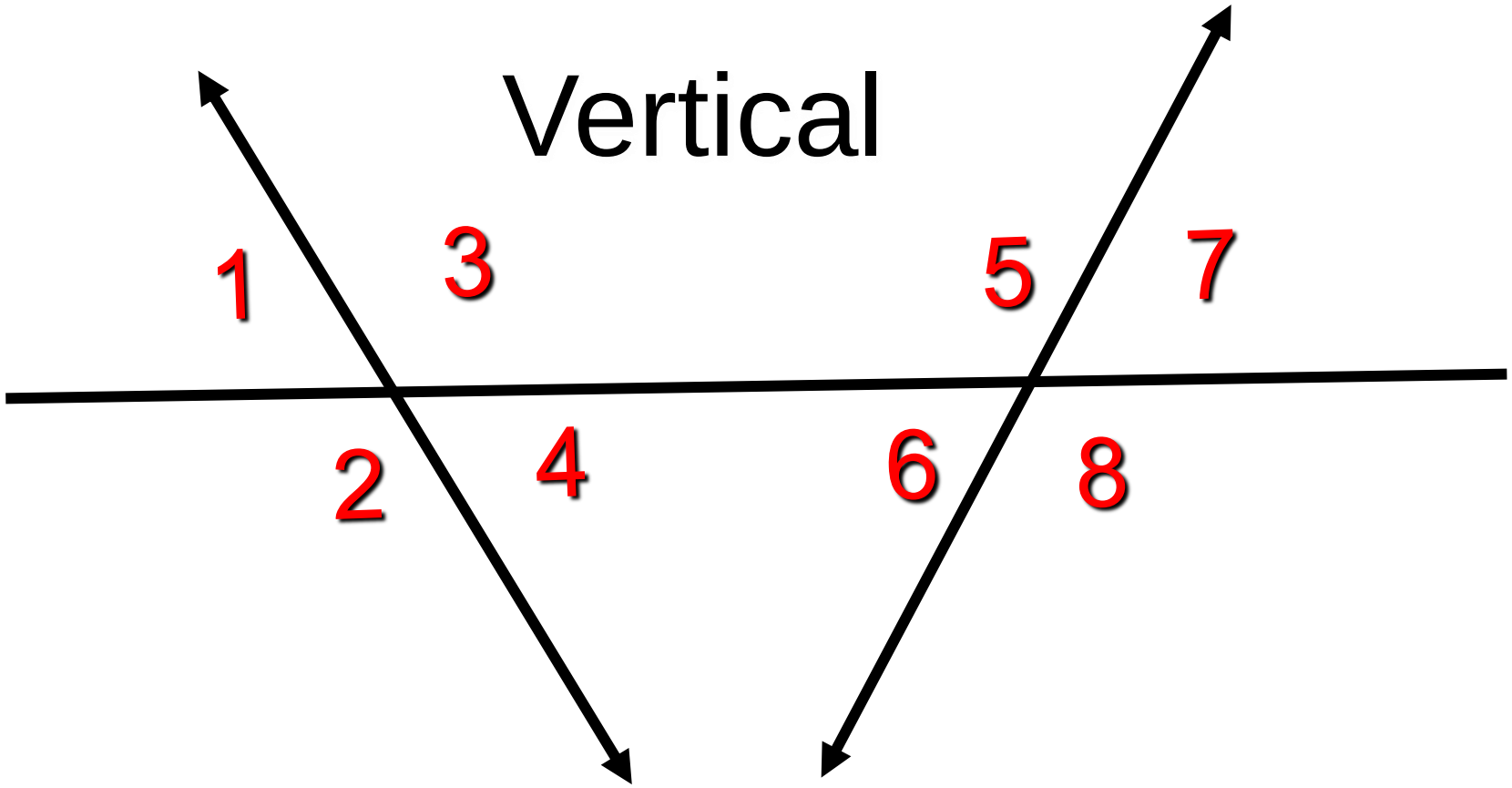
When this happens, 8 angles are formed



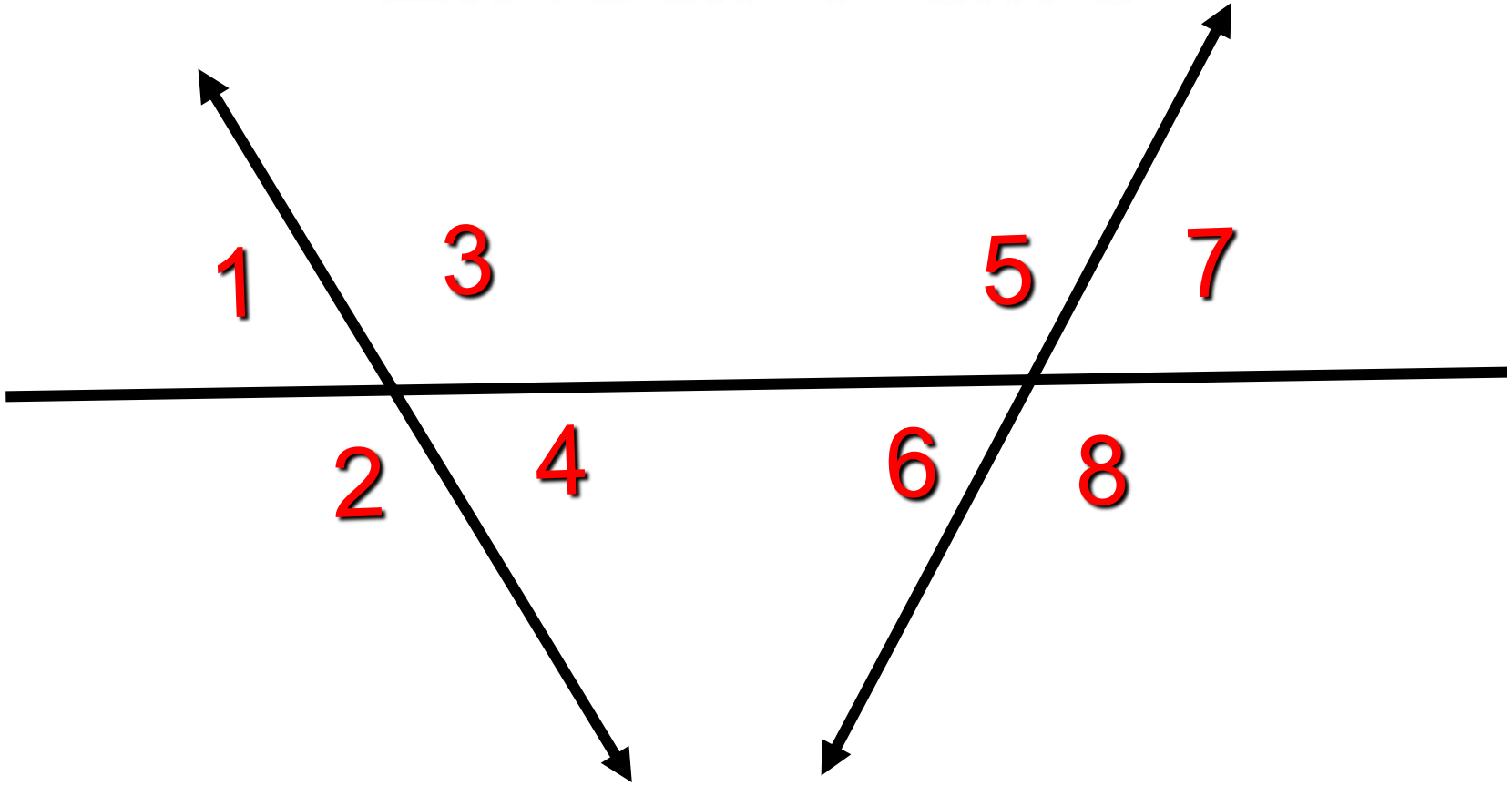
This Forms 2 Neighborhoods



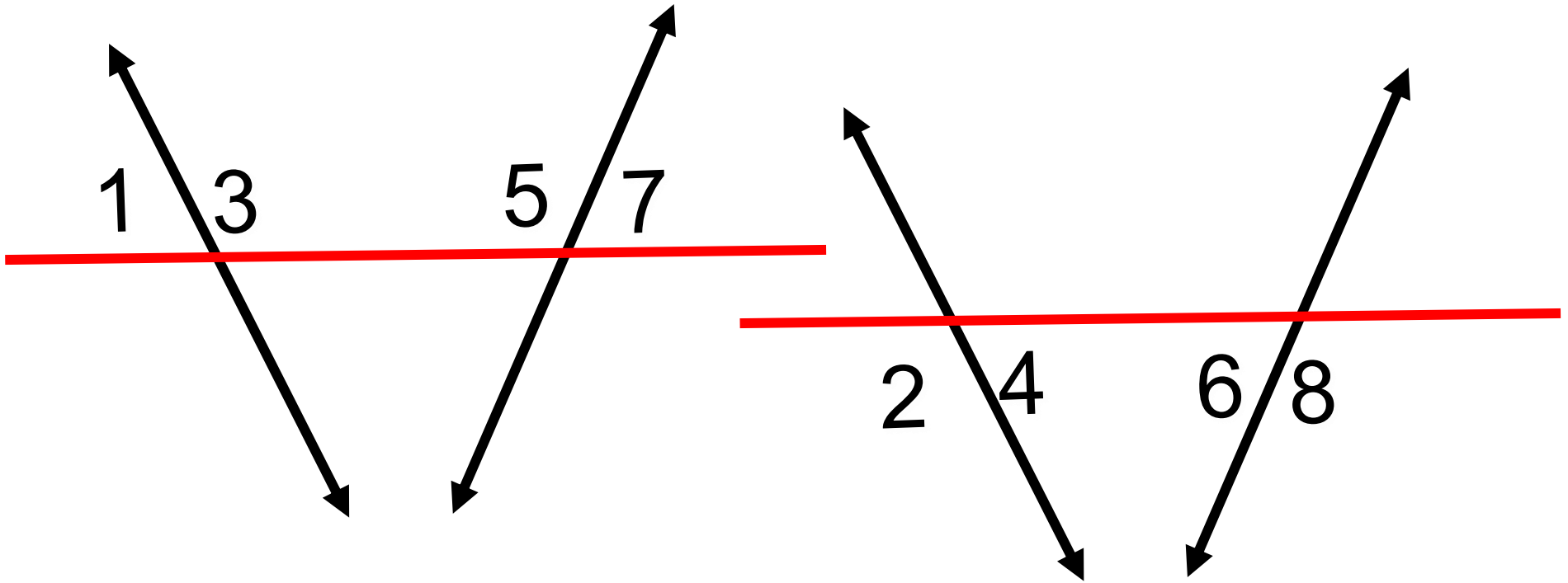
Remember
Vertical And Linear Pair

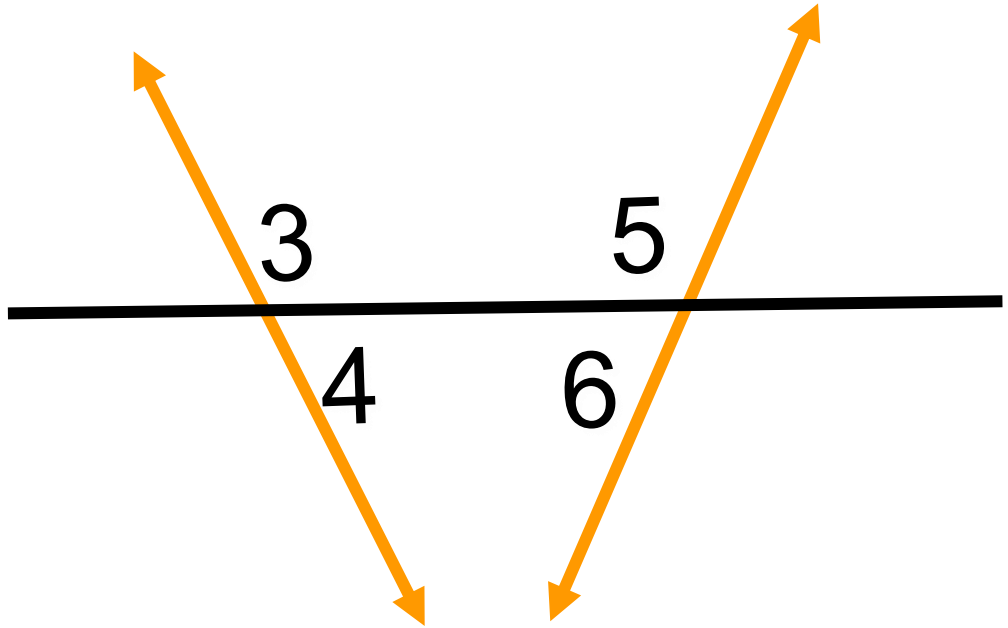


Linear Pairs

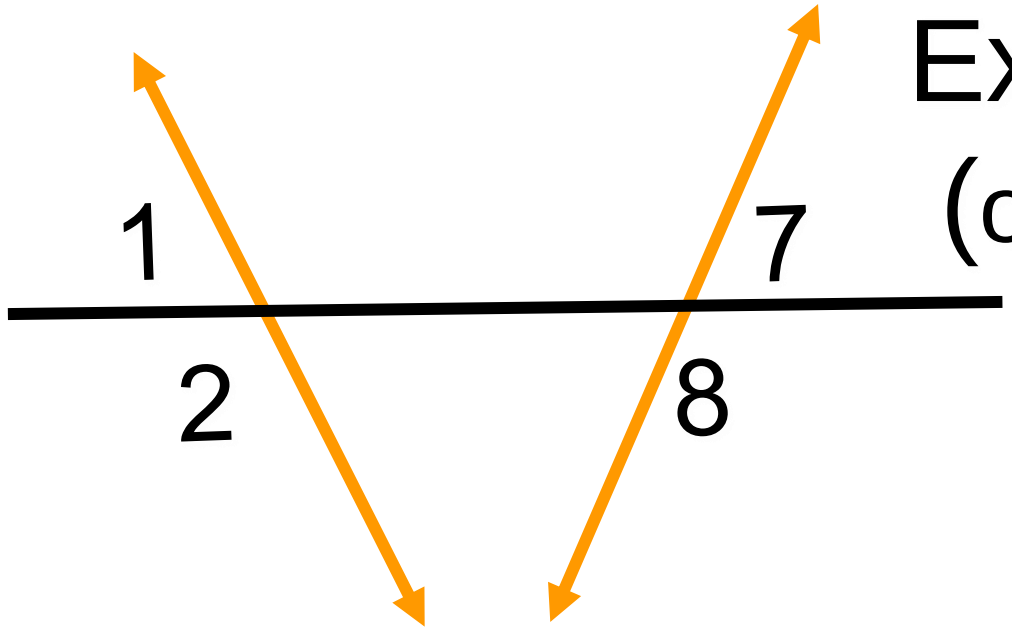


Same Side Angles or Consecutive Angles



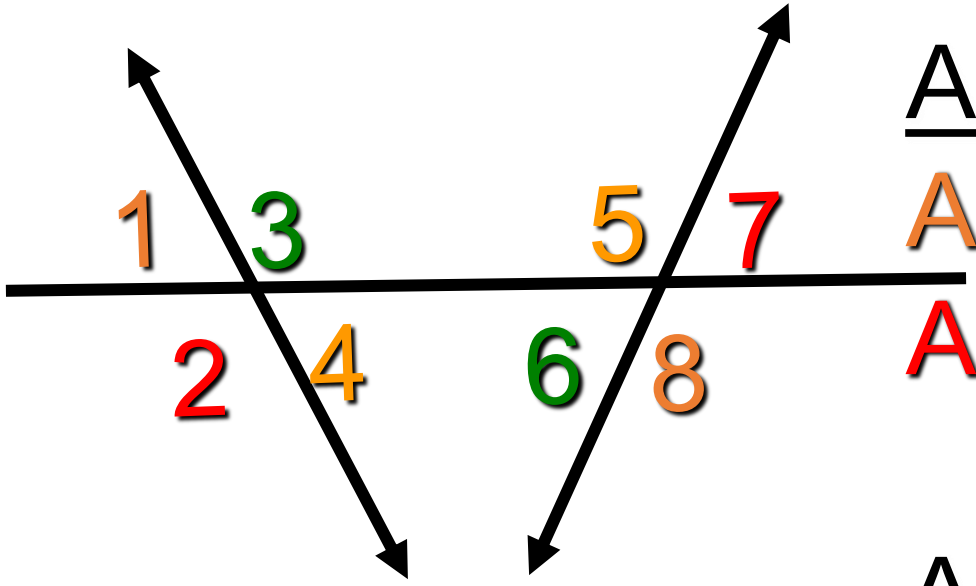


Interior Angles
(Between 2 lines)



Exterior Angles
(outside the lines)

Alternate Angles are on different sides of the transversal And from different neighborhoods



Alternate Exterior

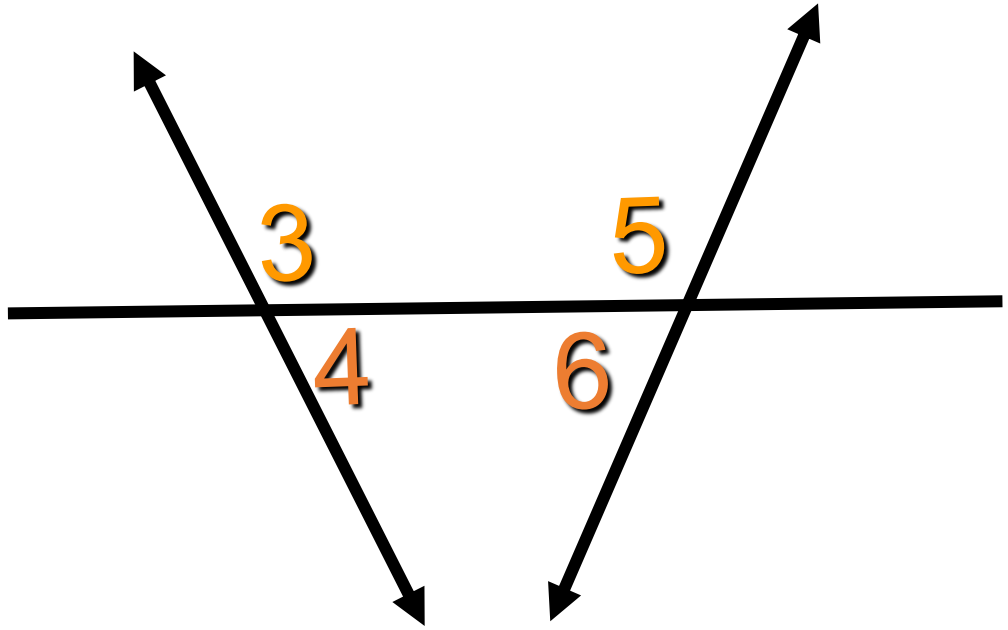
Angles 1 And 8

Angles 2 And 7

Alternate Interior

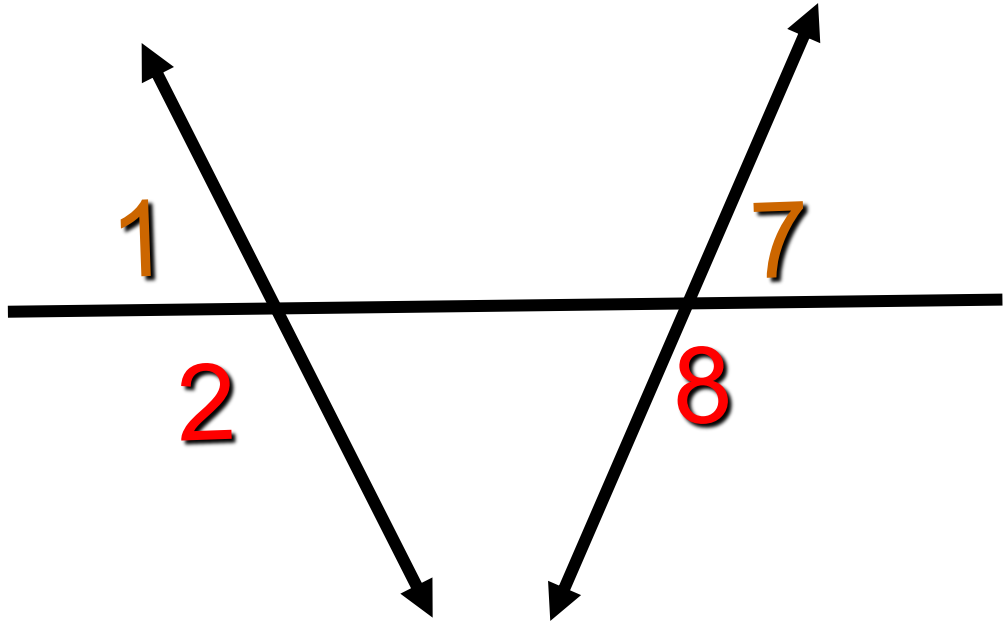
Angles 3 And 6

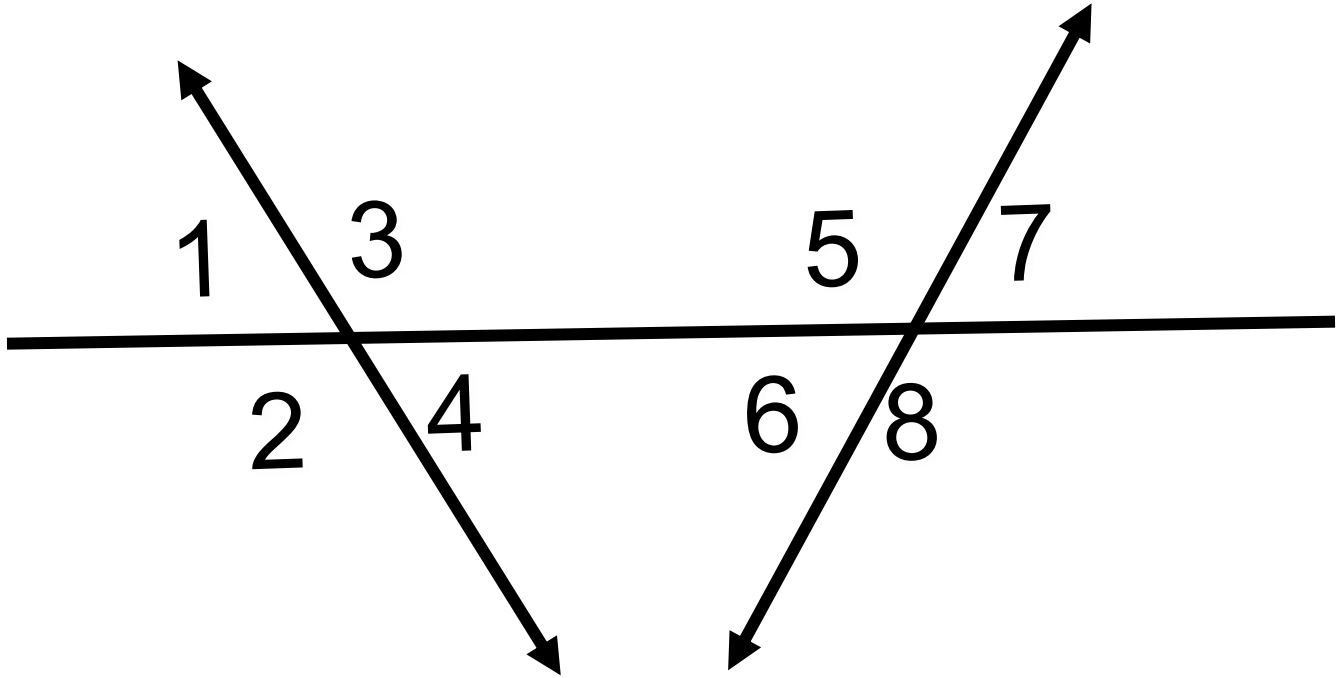
Angles 4 And 5



Same Side
Interior Angles
Angles 3 and 5
Angles 4 and 6

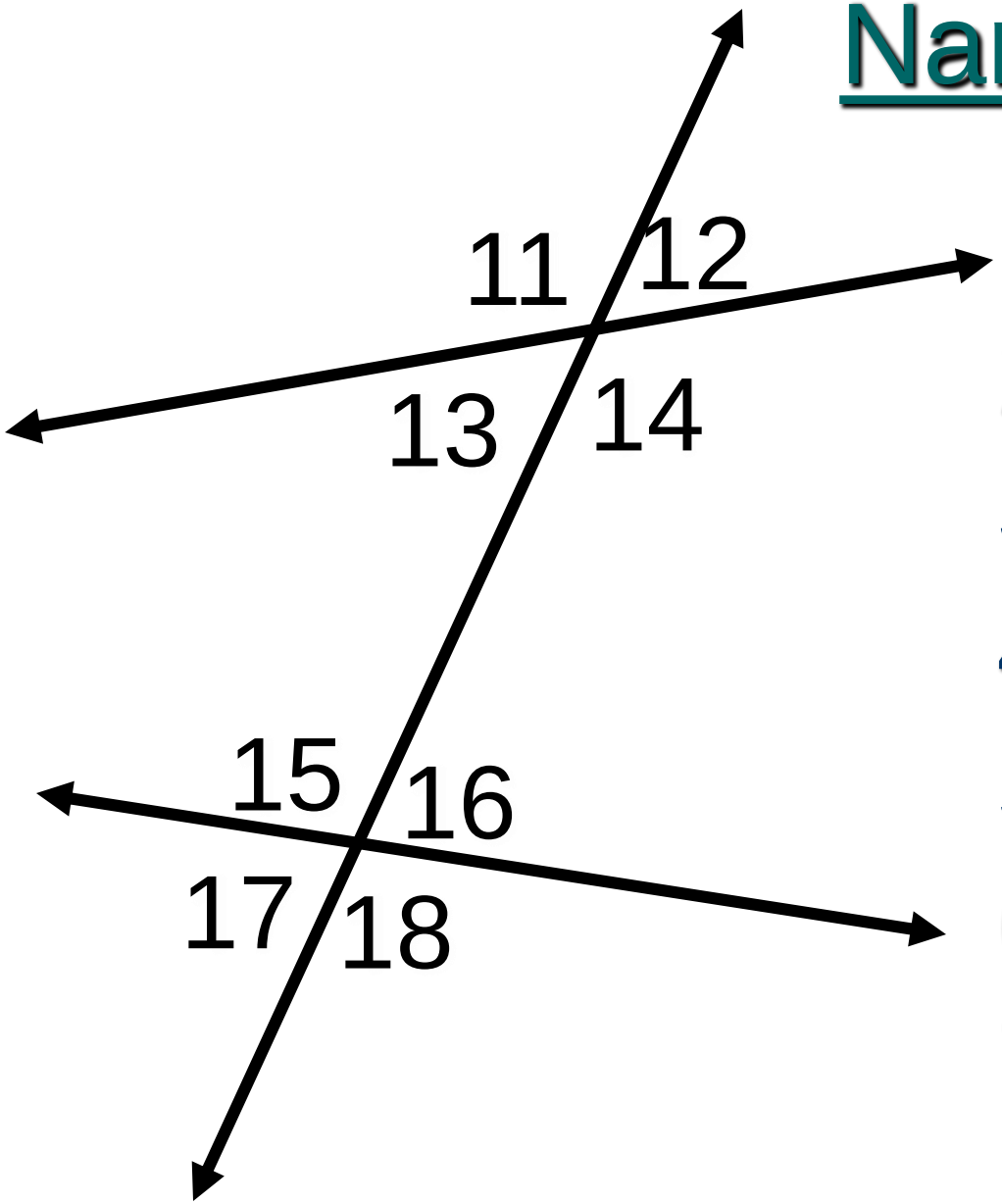
Same Side
Exterior Angles
Angles 1 and 7
Angles 2 and 8





Corresponding Angles are located in the same position in each neighborhood

Name The Angles



1. 11 and 15
2. 12 and 16
3. 13 and 16
4. 12 and 18
5. 14 and 16
6. 14 and 18
7. 11 and 14
8. 15 and 17

Check Your Answers

1. Corresponding
2. Corresponding
3. Alt Interior
4. Consecutive (SS) Exterior
5. Consecutive (SS) Interior
6. Corresponding
7. Vertical
8. Linear

Wednesday, October 1

Objective

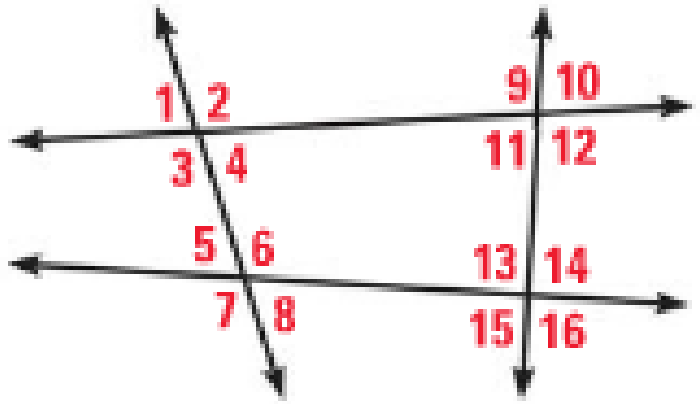
- ✓SWBAT identify angle pair relationships when a transversal is present
- ✓SWBAT review sections 2.6-2.7 for Quiz

- ✓HW: Study for Quiz

STUDY FOR QUIZ

DO NOW

Classify the angle pair as *corresponding*, *alternate interior*, *alternate exterior*, or *consecutive interior* angles.



$\angle 5$ and $\angle 1$

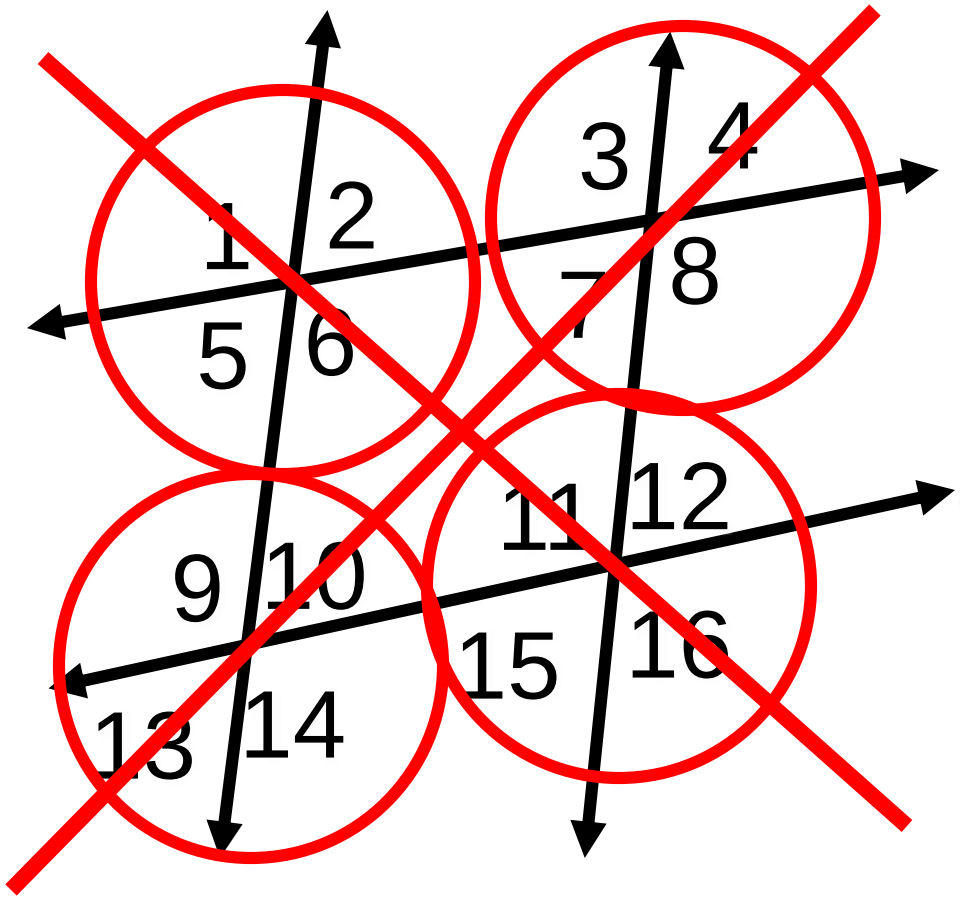
$\angle 6$ and $\angle 13$

$\angle 2$ and $\angle 11$

$\angle 11$ and $\angle 13$

$\angle 10$ and $\angle 15$

$\angle 8$ and $\angle 4$

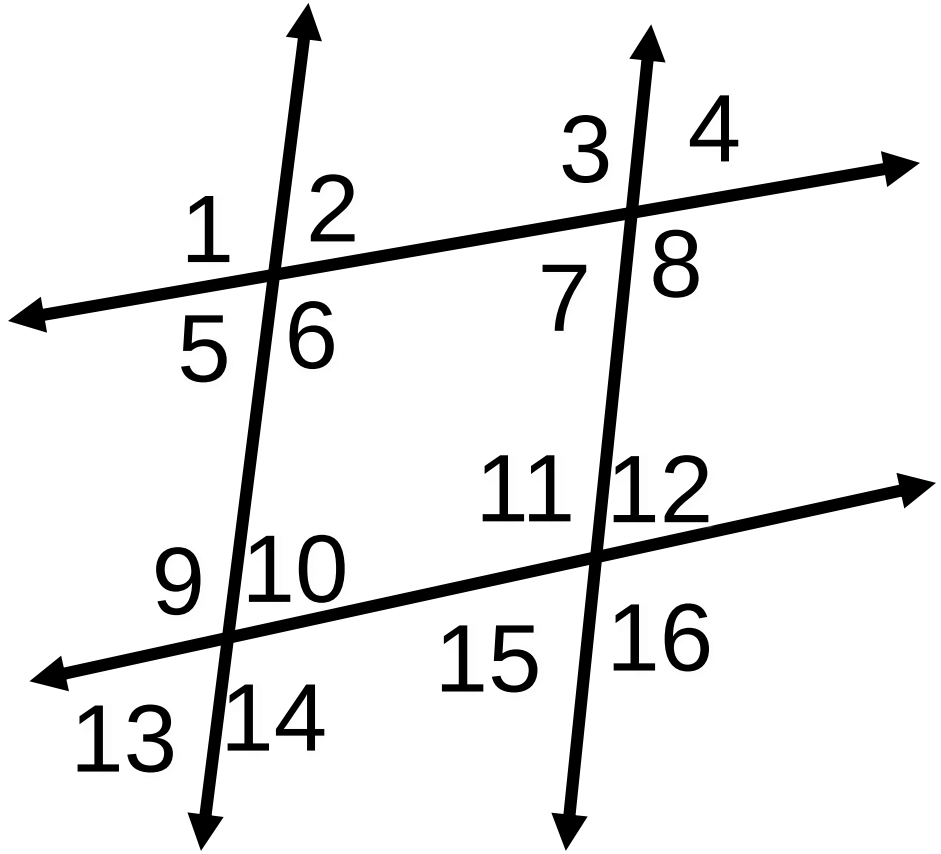


Name the angles

1. 1 and 3
2. 7 and 12
3. 11 and 14
4. 6 and 10
5. 13 and 5
6. 9 and 6
7. 1 and 13
8. 5 and 4
9. 7 and 11
10. 6 and 11

With This Diagram, We Can Work With Angles In Different Neighborhoods As Long As They Are Connected By A Transversal

Check Your Answers



1. Corresponding
2. Alt. Int.
3. Alt. Int.
4. Cons. (SS) Int.
5. Corresponding
6. Alt. Int.
7. Consecutive Ext
8. Alt. Ext
9. Cons. (SS) Int.
10. None

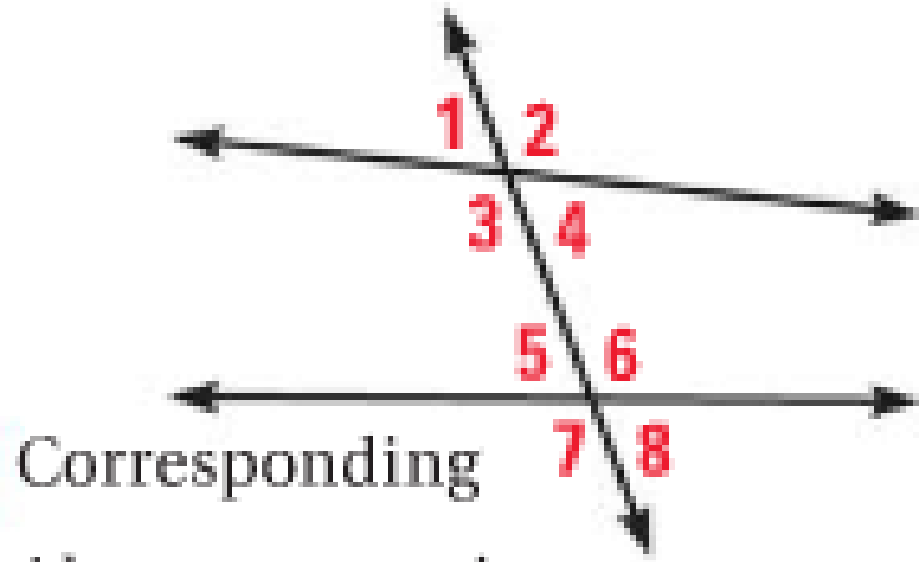
Thursday, October 2

Objective

✓Identify angle pair relationships

DO NOW

Identify ALL pairs of angles of the given type`



Corresponding

Alternate exterior

Alternate interior

Consecutive interior