

Notes Parallel and Transversals

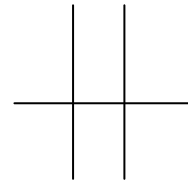
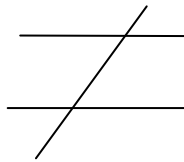
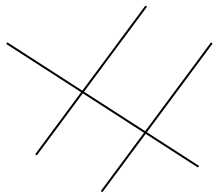
Name: _____ Date: _____ Period: _____

Learning Target: _____

Vocabulary:

Parallel lines: _____

Transversal: _____



Alternate: _____

Consecutive: _____

Interior: _____

Exterior: _____

Corresponding: _____

Name the angle Pairs

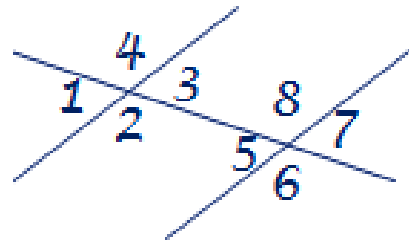
Alternate Interior: _____

Alternate Exterior: _____

Consecutive Interior: _____

Corresponding: _____

Vertical angles: _____

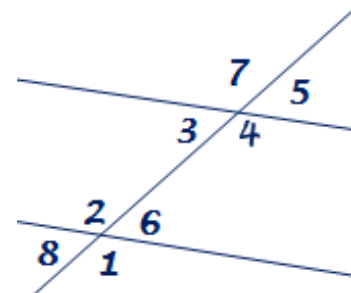


Example 1:

1. (1,4) _____ 2. (4,7) _____

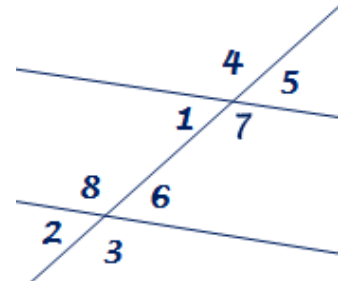
3. (7,3) _____ 4. (3,2) _____

5. (2,4) _____ 6. (5,8) _____



Show me you can do it!

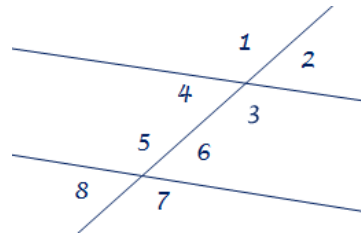
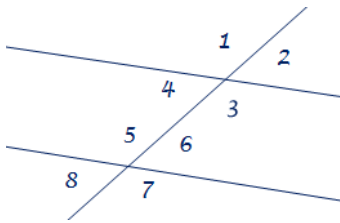
- | | |
|-----------------|-----------------|
| 1. (1,8) _____ | 2. (8,7) _____ |
| 3. (7,3) _____ | 4. (3,4) _____ |
| 5. (2,5) _____ | 6. (5,6) _____ |
| 7. (1,6) _____ | 8. (6,5) _____ |
| 9. (5,1) _____ | 10. (4,7) _____ |
| 11. (8,2) _____ | 12. (2,1) _____ |



All the acute angles are the same, and all the obtuse angles are the same

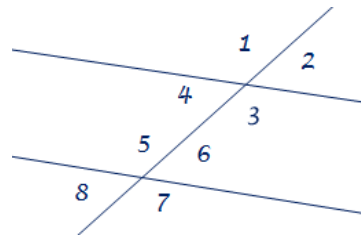
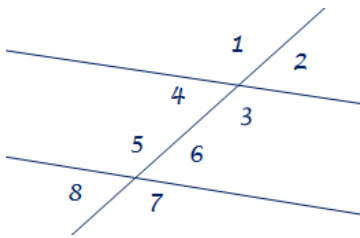
So, if $m\angle 1 = 120^\circ$, find the other angles

If $m\angle 1 = 145^\circ$, find the other angles



If $m\angle 6 = 65^\circ$, find the remaining angles

If $m\angle 1 = 3x + 10$, $m\angle 6 = x - 30$, find all angles



If $m\angle 4 = 3x$, $m\angle 8 = 30 + x$, find all angles

If $m\angle 3 = 6x - 23$, $m\angle 5 = x + 122$, find all angles

