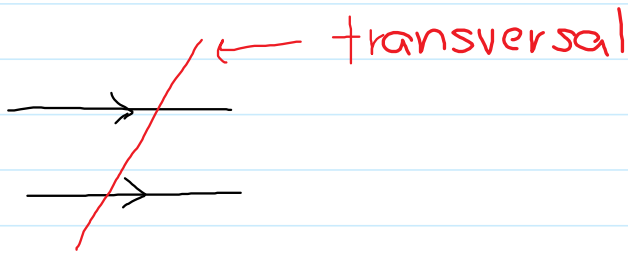


Chapter #2

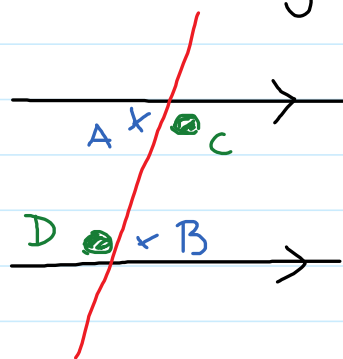
February 3, 2016 10:00 AM

2.1 & 2.2 Exploring Parallel Lines



a line that intersects 2 or more other lines @ distinct points

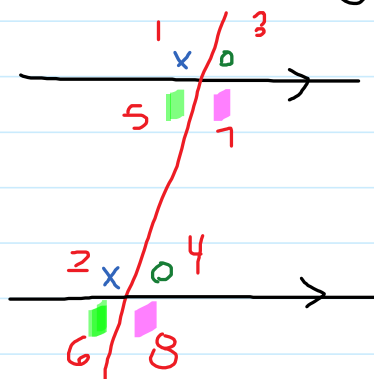
Interior Angles



any angles formed by a transversal and 2 parallel lines that lie inside the parallel lines

$$\angle A = \angle B$$
$$\angle C = \angle D$$

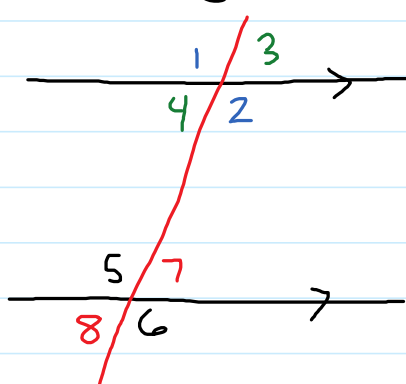
Corresponding Angles



1 interior angle and 1 exterior angle that are non-adjacent and on the same side of the transversal

$$\angle 1 = \angle 2 \quad \angle 3 = \angle 4$$
$$\angle 5 = \angle 6 \quad \angle 7 = \angle 8$$

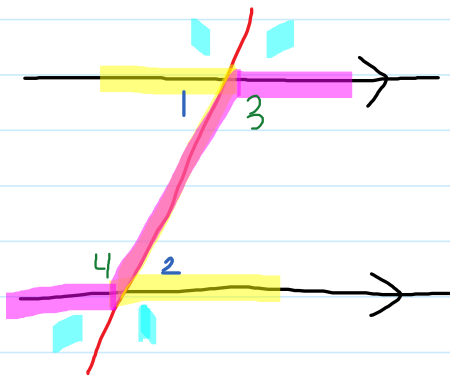
Vertically Opposite



• angles created by intersecting lines that share a vertex
• directly opposite

$$\angle 1 = \angle 2 \quad \angle 3 = \angle 4$$
$$\angle 5 = \angle 6 \quad \angle 7 = \angle 8$$

Interior Alternate Angles



• angles in opposite positions between 2 lines

• Z pattern

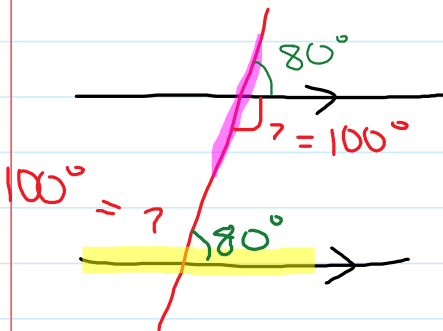
N W

$$\angle 1 = \angle 2 \quad \angle 3 = \angle 4$$

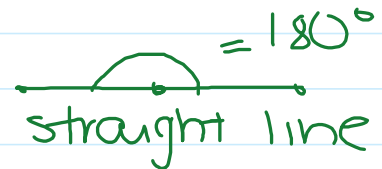
Exterior Alternate Angles

→ angles in opposite positions outside 2 lines intersected by a transversal are also on alternate sides of the same transversal

Ex #1



RECALL



pg 72 #1-6

pg 78 #1-4