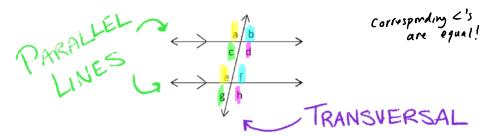
	0 1	
	B=90°-A A	B = 180°-A
	complementary angles	Supplementary L's
FOM 11	Chapter 2: Angles and Triangles Review	vertically is oxo

Parallel lines are lines with the same slope but different *y*-intercepts. Parallel lines will never intersect each other.

If two parallel lines are cut by a transversal, eight angles are created.



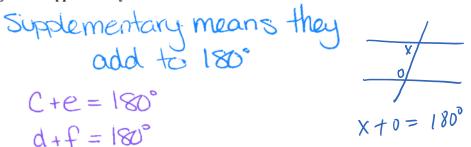
Corresponding angles are one interior angle and one exterior angle that are non-adjacent and on the same side of the transversal. Corresponding angles are equal.

Alternate Interior Angles are two interior angles that are non-adjacent and are on opposite sides of the transversal. Alternate interior angles are equal.

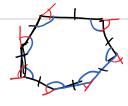
$$C = f$$

$$d = e$$

Co-Interior Angles are two interior angles that are on the same side of the transversal. (I SST)



1



$$180^{\circ}(n-2)$$

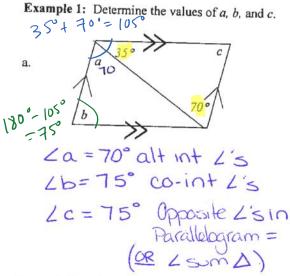
 $180(7-2) = 900^{\circ}$
Measure of 1 angle = $\frac{900}{7}$

The sum of the angles in a triangle is 180°. The sum of the angles in a quadrilateral is 360°.

In any polygon with n sides, the sum of the interior angles is $180^{\circ}(n-2)$. A regular polygon has equal sides and equal angles.

The sum of the exterior angles of any convex polygon is 360°.

Each exterior angle of a regular polygon is 360°



Example 2: Determine the value of x in the following diagrams.

5a+4a = 180° $a = 20^{\circ}$ $b = 4a = 4(20) = 80^{\circ}$

