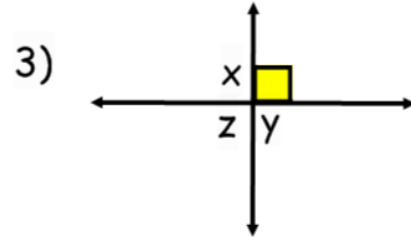
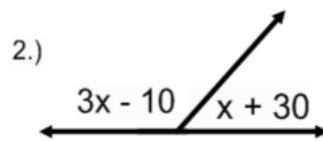
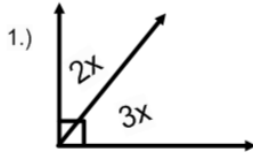


Aim: What are parallel lines and transversals?

Do Now: Find the value of the missing angles and state the angle relationship.

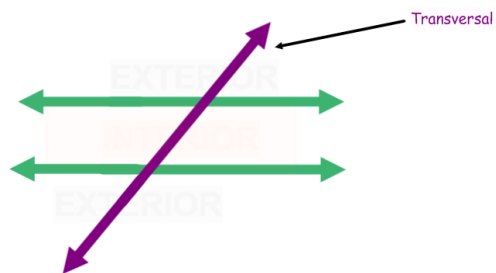


Parallel Lines: _____

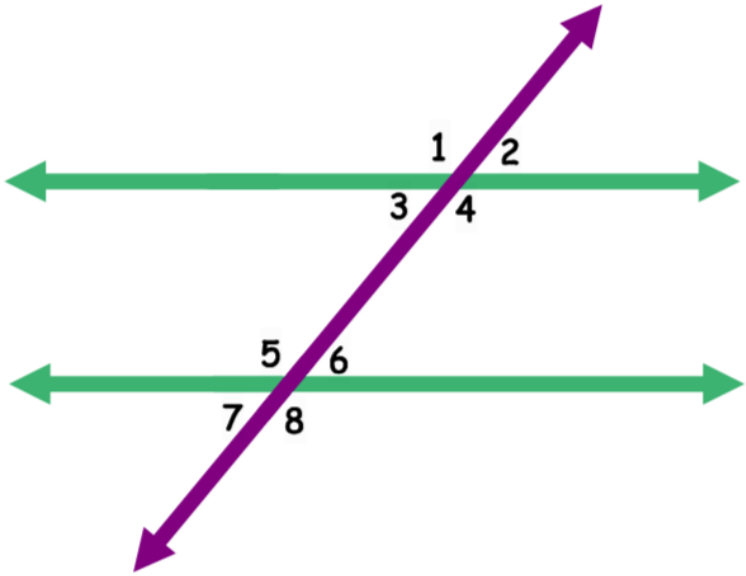
Transversal: _____

Interior: _____

Exterior: _____



Two parallel lines cut by a transversal will form EIGHT different angles.



EXTERIOR ANGLES:

INTERIOR ANGLES:

ACUTE ANGLES:

OBTUSE ANGLES:

Alternate Interior Angles: _____

Alternate Exterior Angles: _____

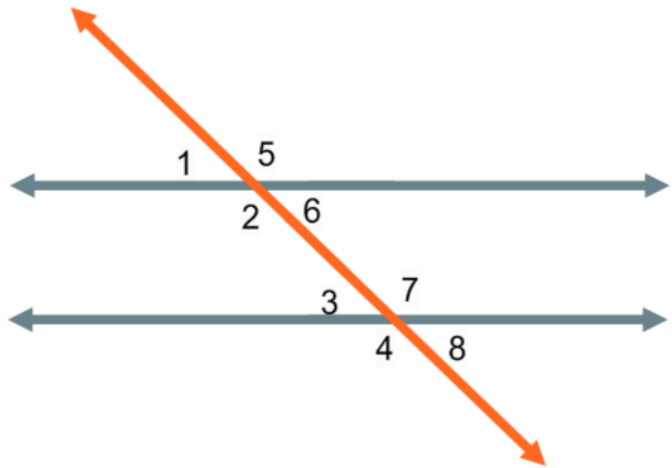
Corresponding Angles: _____

1.) Name all pairs of **alternate interior angles**.

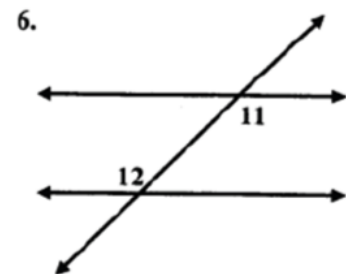
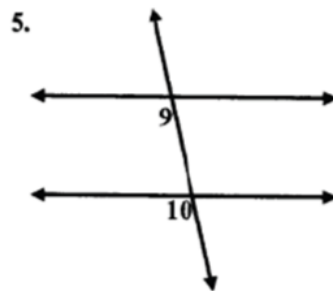
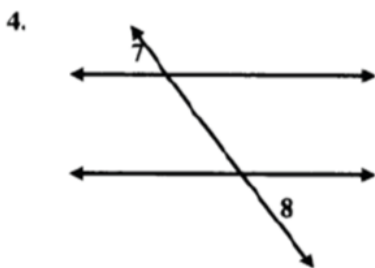
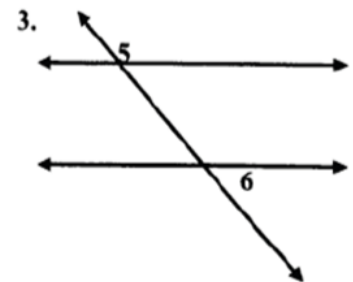
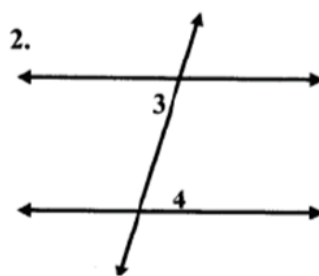
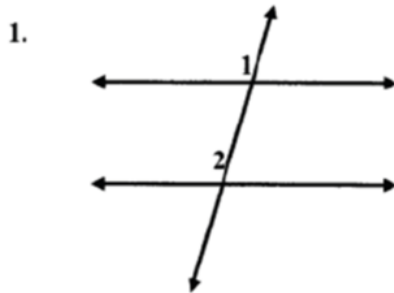
2.) Name all pairs of **alternate exterior angles**.

3.) Name all pairs of **corresponding angles**.

4.) If the measure of $\angle 1$ is 60° , what is the measure of $\angle 4$, $\angle 5$ and $\angle 7$?



Identify the angles as corresponding, alternate interior or alternate exterior.



Line x is parallel to line y . Find all the missing angles,
if $m\angle 8 = 125^\circ$

$$m\angle 1 = \underline{\hspace{2cm}}$$

$$m\angle 2 = \underline{\hspace{2cm}}$$

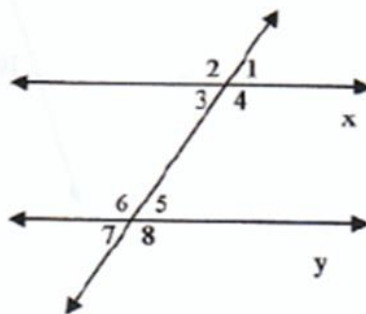
$$m\angle 3 = \underline{\hspace{2cm}}$$

$$m\angle 4 = \underline{\hspace{2cm}}$$

$$m\angle 5 = \underline{\hspace{2cm}}$$

$$m\angle 6 = \underline{\hspace{2cm}}$$

$$m\angle 7 = \underline{\hspace{2cm}}$$



Line m is parallel to line n . Find all the missing angles,
if $m\angle 2 = 62^\circ$

$$m\angle 1 = \underline{\hspace{2cm}}$$

$$m\angle 3 = \underline{\hspace{2cm}}$$

$$m\angle 4 = \underline{\hspace{2cm}}$$

$$m\angle 5 = \underline{\hspace{2cm}}$$

$$m\angle 6 = \underline{\hspace{2cm}}$$

$$m\angle 7 = \underline{\hspace{2cm}}$$

$$m\angle 8 = \underline{\hspace{2cm}}$$

