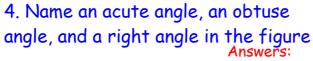
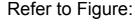
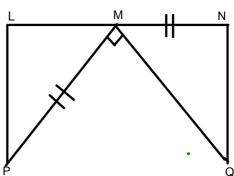
Starter

- 1. Are points L, M and Q collinear?
- 2. Find the measure of \overline{MN} if LM= 5x-4, MN=6x+1, and LN=30
- 3. Can you determine if M is the midpoint of \overline{LN} ?



5. Are 2LMP and 4NMQ complementry??







2. MN=19

1. No

3. No

- 4. Sample answer: QMN is acute, PMN is obtuse, and PMQ is right.
- 5. No 705

Sep 24-1:28 PM

homework correction

Kuta Similar

- 1) Not similar
- 2) Similar (proportional corresponding sides)
- 3) Similar (proportional corresponding sides)
- 4) Similar (by angles)
- 5) Not similar
- 6) Not similar

- 13) ? = 22
- 14) ? = 54
- 15) ? = 9
- 16) ? = 11
- 17) x = 8

MATH 8

Unit 4

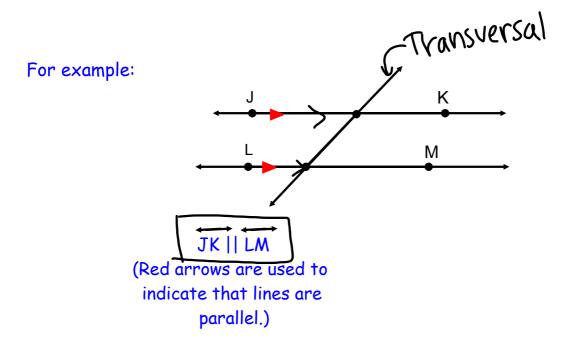
Day 14

I can

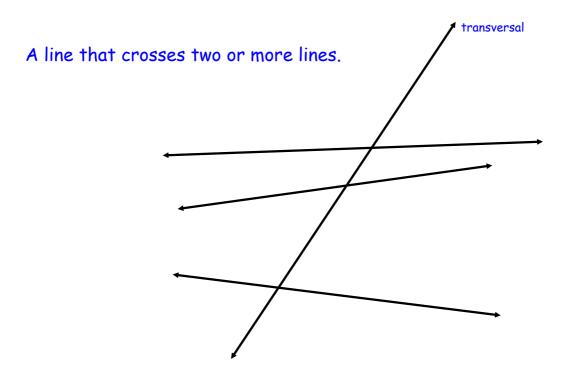
Determine the relationship between corresponding angles, alternate interior angles, alternate exterior angles, vertical pairs, and supplementary pairs when parallel lines are cut by a transversal.

Dec 11-6:58 PM

- Parallel lines are coplanar lines that do not intersect.
- AT ALL. EVER.



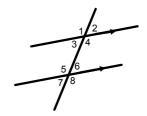
Transversal



Oct 13-12:15 PM

Transversal Angle Pair Relationships		t ▲
Four interior angles lie in the region between lines q and r.	Angles 3, 4, 5, and 6.	exterior 2
Four exterior angles lie in the two regions that are not between lines q and r.	Angles 1, 2, 7, and 8.	interior
Consecutive interior angles are interior angles that lie on the same side of transversal t.	Angles 4 & 5; angles 3 & 6.	5 6 7
Alternate interior angles are nonadjacent interior angles that lie on opposite sides of transversal t.	Angles 3 & 5; angles 4 & 6.	exterior
Alternate exterior angles are nonadjacent exterior angles that lie on opposite sides of transversal t.	Angles 1 & 7; angles 2 & 8.	
Corresponding angles ie on the same side of transversal t and on the same side of lines q and r.	Angles 1 & 5; angles 2 & 6; angles 3 & 7; angles 4 & 8.	

Angle and Parallel Lines



Corresponding Angles Postulate - if 2 parallel lines are cut by a transversal, then each pair of corresponding angles are congruent.

Alternate Interior Angle Theorem - If 2 parallel lines are cut by a transversal, then each pair of alternate interior angles are congruent.

Consecutive Interior Angles Theorem - If 2 parallel lines are cut by a transversal, then each pair of consecutive interior angels is supplementary.

Alternate Exterior Angles Theorem - If 2 lines are cut by a transversal, than each pair of alternate exterior angles are congruent.

Oct 6-3:05 PM

Using the figure, classify the relationship between each pair of angles.

a) Angles 5 & 4

Consecutive interior angles

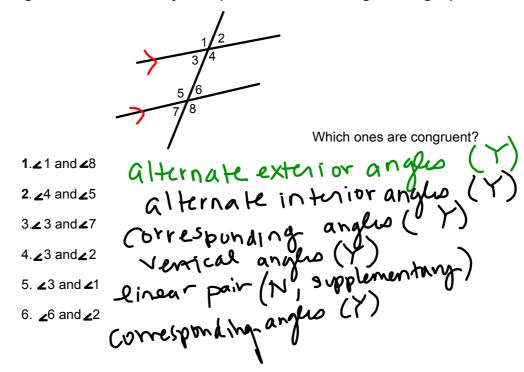
b) Angles 2 & 7

Consecutive extenior a
c) Angles 5 & 1

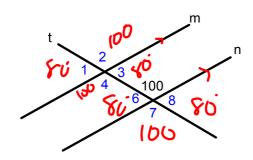
Corresponding a
d) Angles 3 & 5

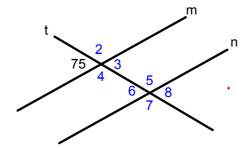
Alternate interior angle.

Refer to figure below to identify the special name for the given angle pair.

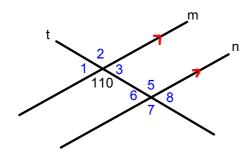


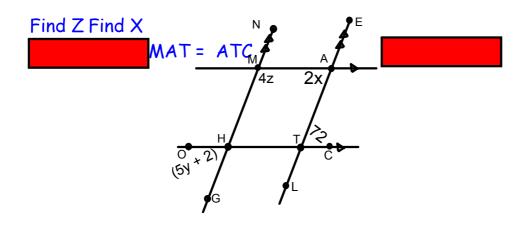
Oct 6-2:43 PM





Dec 19-9:01 AM



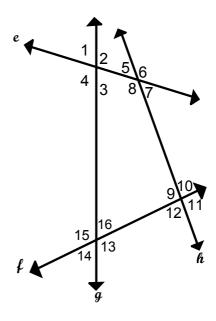


Find Y
$$5y + 2 = 72$$

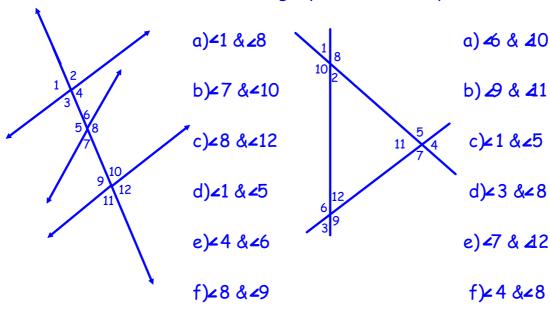
Oct 7-2:15 PM

Identify the transversal connecting each pair of angles in the figure to the right. Then classify the relationship between each pair of angles.

- a) Angles 4 & 6
- b) Angles 7 & 10
- c) Angles 15 & 9



Name the angle pair relationship



Sep 24-2:32 PM

Homework

section 5.5 p. 217 #3 - 12, 15-23 Dec 11-10:05 PM