Week 27: 2/29-3/4 Math I Due: 3/8

Objectives:

1. To assess knowledge of Chapter 10.
2. To identify relationships between figures in space.
3. To identify angles formed by two lines and a transversal.
4. To prove theorems about parallel lines.
5. To use properties of parallel lines to find angle measures.

Monday:

In Class:
Chapter 10 Test
Homework:
If you haven't done 11-1 "Got It's", please have them done by tomorrow.

Tuesday:

In Class:
Section 11-1: #1-6
Homework:
Section 11-1: #7-13, 15-20, 22-27
Complete Vocab Handout Attached

Wednesday:

Homework:
Go to text website: www.pearsonsuccessnet.com
Click on section 11-2 and WATCH online problems 1-4 and complete "Got It's" that follow.
THESE WILL BE CHECKED THURSDAY FOR COMPLETION OR POINTS WILL BE DEDUCTED.

Thursday:

In Class:
Section 11-2: #1-8
Homework:
Section 11-2: #9-17, 19
Complete Vocab Handout Attached

Friday:

Homework:
Go to text website: www.pearsonsuccessnet.com
Click on section 11-3 and WATCH online problems 1-3 and complete "Got It's" that follow.
Complete 11-3 "Think About A Plan" Activity Attached
THESE WILL BE CHECKED TUESDAY FOR COMPLETION OR POINTS WILL BE DEDUCTED.
*** Class Cancelled Monday. I will be at a conference.

11-1 Tues.

Name _____ Class _____ Date _____

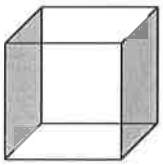
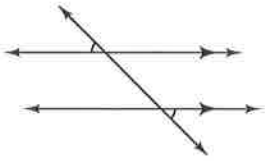
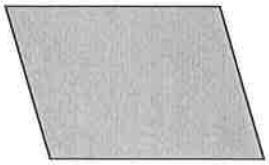
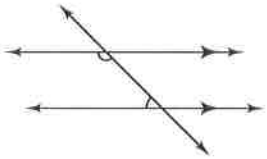
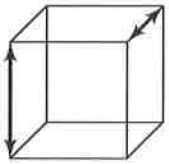
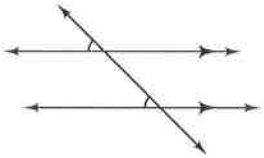
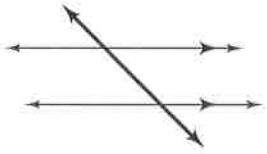
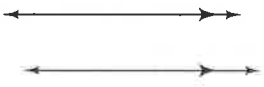
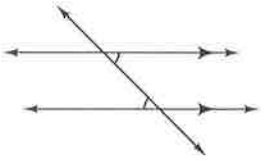
Additional Vocabulary Support

Lines and Angles

Concept List

alternate exterior angles	alternate interior angles	corresponding angles
parallel lines	parallel planes	plane
same-side interior angles	skew lines	transversal

Choose the concept from the list above that best represents the item in each box.

1. 	2. 	3. 
4. 	5. 	6. 
7. 	8. 	9. 

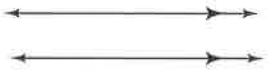
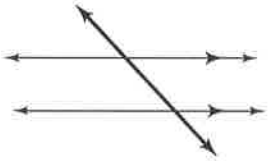
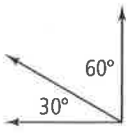
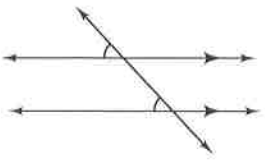
11-2 Thurs.

Name _____ Class _____ Date _____

Additional Vocabulary Support

Properties of Parallel Lines

Complete the vocabulary chart by filling in the missing information.

Word or Word Phrase	Definition	Picture or Example
angle pairs	*Angle pairs* are two angles that are related in some way.	congruent angles, supplementary angles, corresponding angles, exterior angles, interior angles, vertical angles
parallel lines	1.	
transversal	2.	
congruent	Two angles are *congruent* if the angles have the same measure.	3.
supplementary angles	The sum of the measures of two *supplementary angles* is 180.	4.
complementary angles	5.	
corresponding angles	6.	

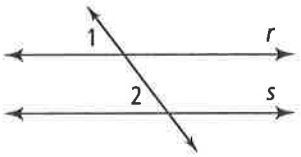
Name _____ Class _____ Date _____

Think About a Plan 11-3 Friday

Proving Lines Parallel

Algebra Determine the value of x for which $r \parallel s$. Then find $m\angle 1$ and $m\angle 2$.

Given: $m\angle 1 = 20 - 8x$, $m\angle 2 = 30 - 16x$



1. Is $\angle 1$ an interior angle or an exterior angle? Is $\angle 2$ an interior angle or an exterior angle?

2. Do $\angle 1$ and $\angle 2$ lie on the same side of the transversal or on opposite sides of the transversal?

3. What type of angle pair are $\angle 1$ and $\angle 2$?

4. If $r \parallel s$, and $\angle 1$ and $\angle 2$ are the type of angle pair you named above, how are the angles related?

5. What equation can you write using the given information?

6. What is the value of x?

7. Substitute the value of x into each expression. What are the measures of each angle?

   $m\angle 1 = 20 - 8x =$ ☐

   $m\angle 2 = 30 - 16x =$ ☐

8. Would this value of x prove that $r \parallel s$? Explain.