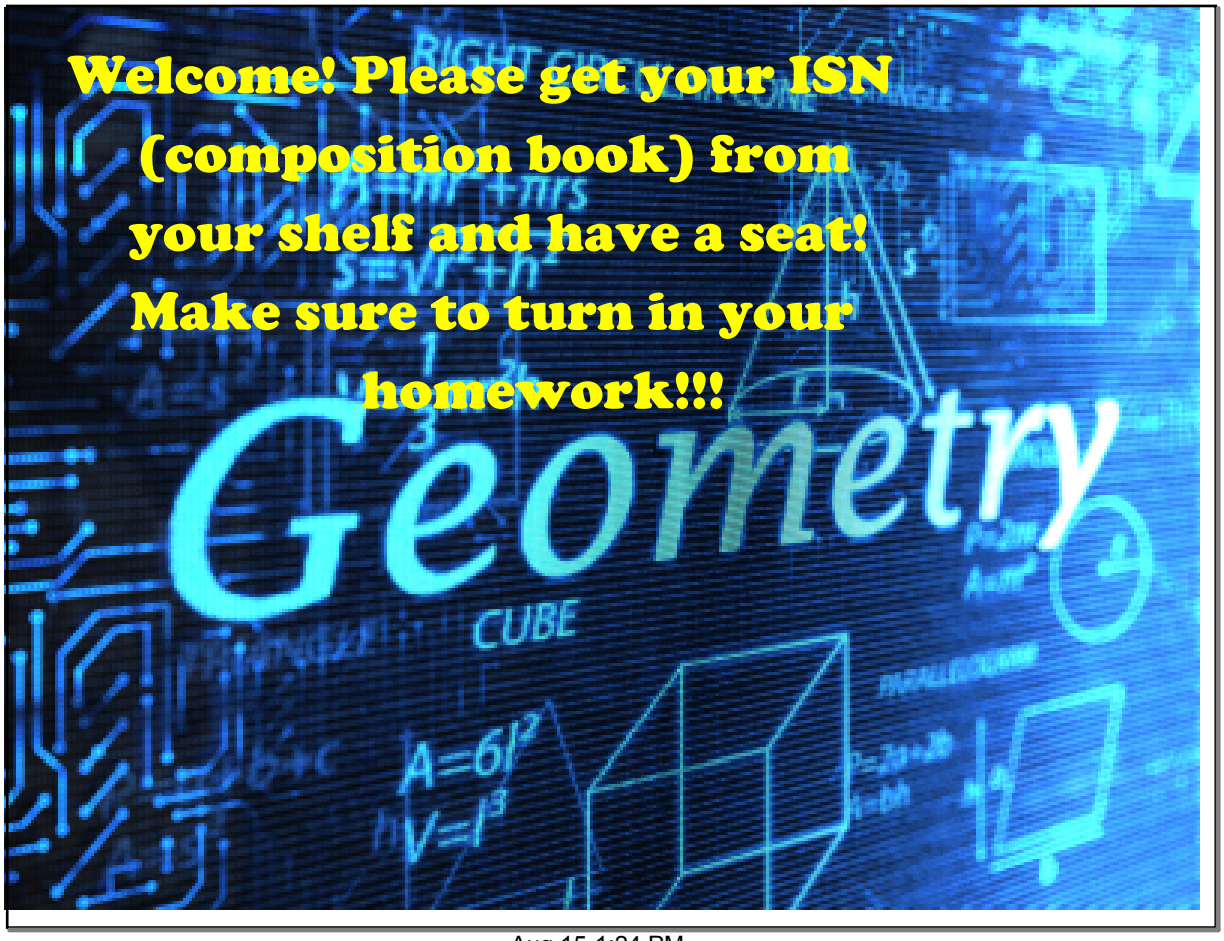
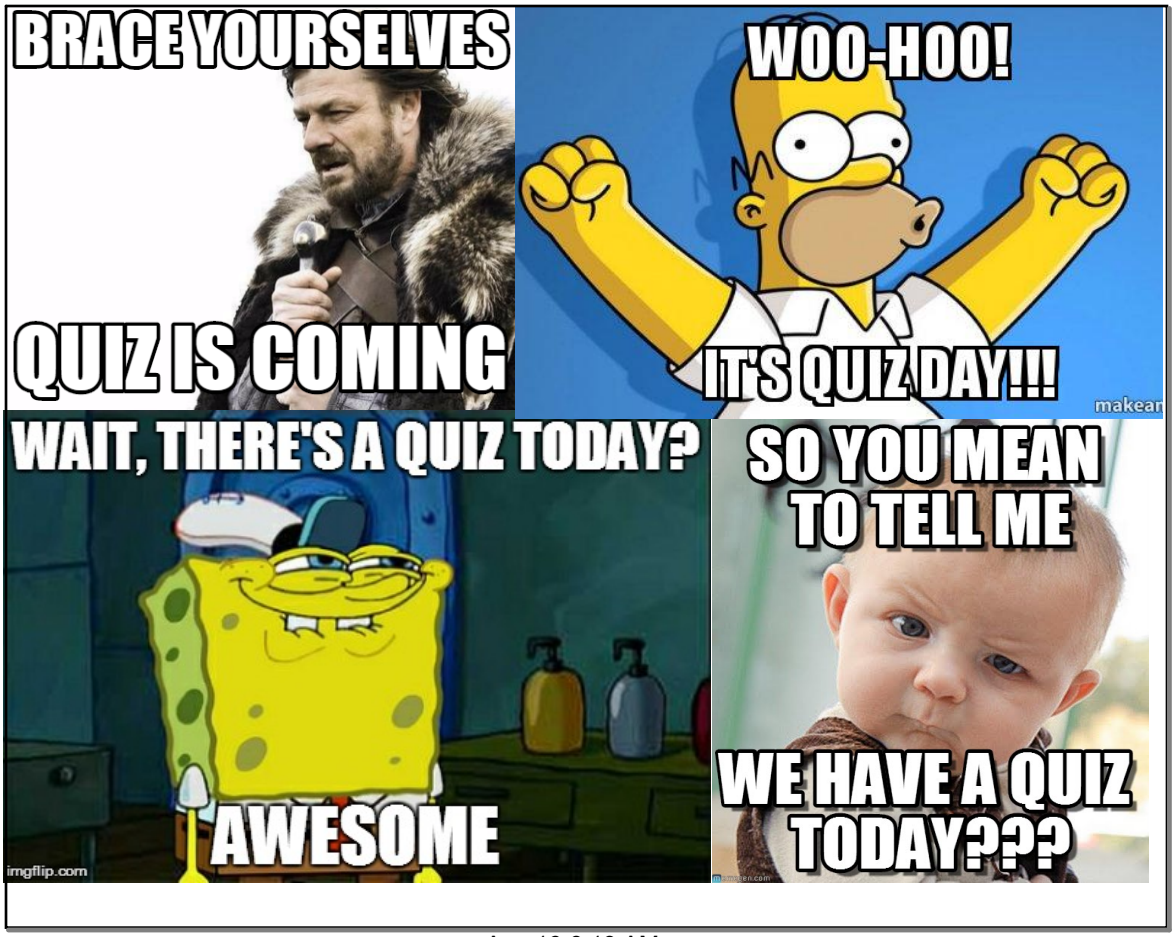
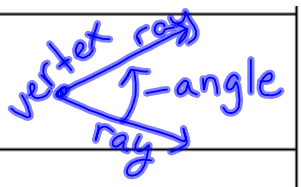


Aug 15-1:24 PM



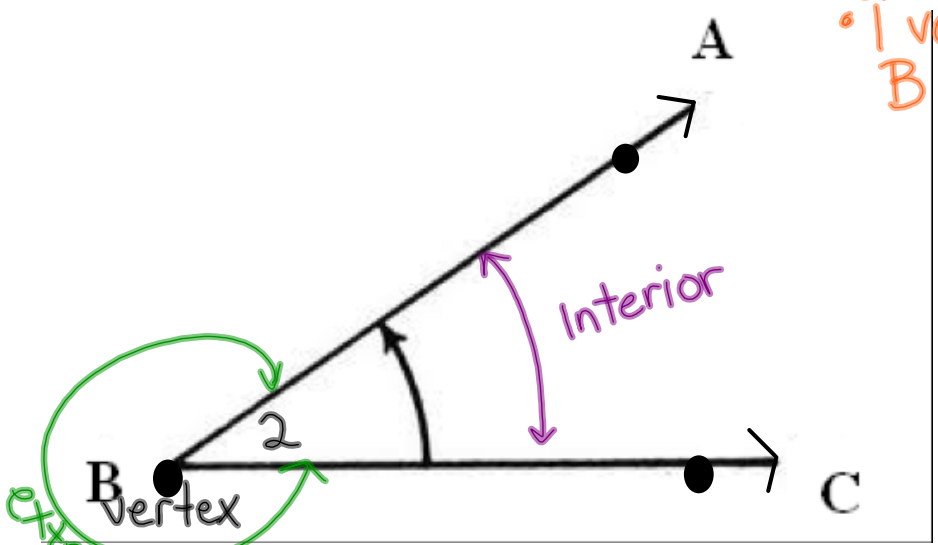
Aug 16-8:18 AM

Unit 1 WWK

Angle	two rays that extend from a common vertex	
Congruent	equal in size and measure	≅

Aug 17-11:02 AM

TOC 11-U1 Angle Introduction



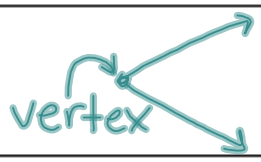
• 2 rays $\overrightarrow{BA}$ & $\overrightarrow{BC}$
• 1 vertex B

Names
∠B or ∠2

vertex in middle
∠ABC or ∠CBA

Aug 11-4:18 PM

Unit 1 WWK

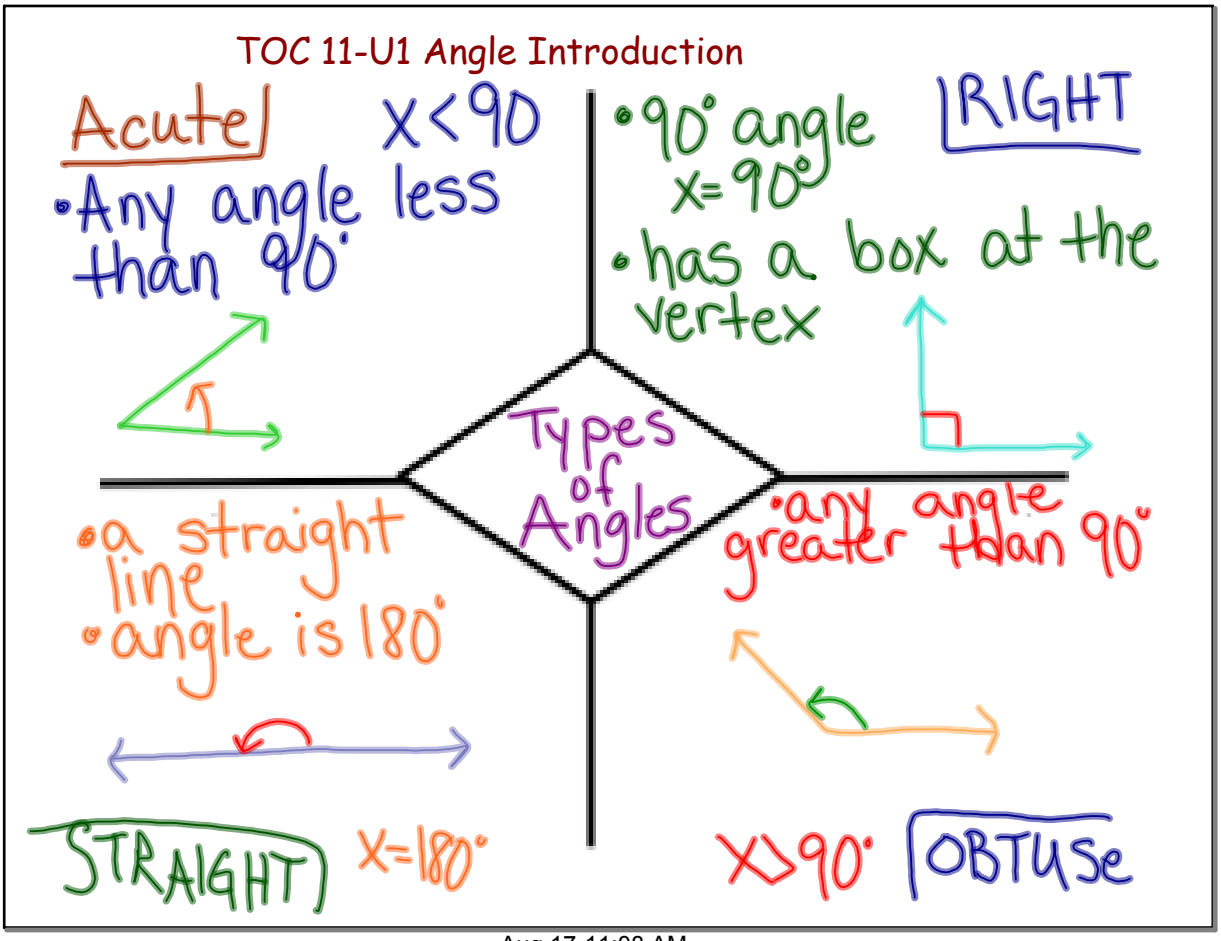
Vertex	the common endpoint at the "corner" of an angle	

Aug 17-4:10 PM

Welcome! Please get your ISN (composition book) from your shelf and have a seat! Complete the warmup on your Chromebook!!!!

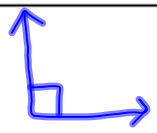
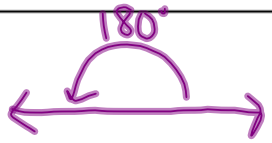
Aug 17-7:43 AM

TOC 11-U1 Angle Introduction



Aug 17-11:08 AM

Unit 1 WWK

Acute angle	any angle less than 90° <90°	
Obtuse angle	any angle greater than 90° >90°	
Right angle	an angle that measures exactly 90°	
Straight angle	an angle that measures exactly 180° makes a straight line	

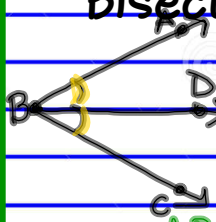
Aug 17-4:11 PM

11

TOC 11-U1 Angle Introduction

Types of Angles

Bisected



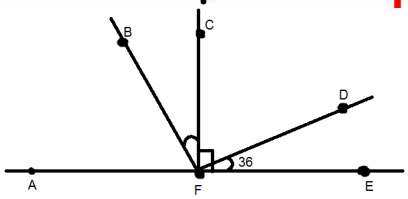
If an angle is bisected, it is cut into 2 equal halves

$\angle ABD \cong \angle DBC$

Symbols

$\cong$ congruent and marks mean congruent angles

Example



Classify the angles as right, acute, obtuse, or straight

1. <AFC
2. <CFD
3. <BFD
4. <AFD

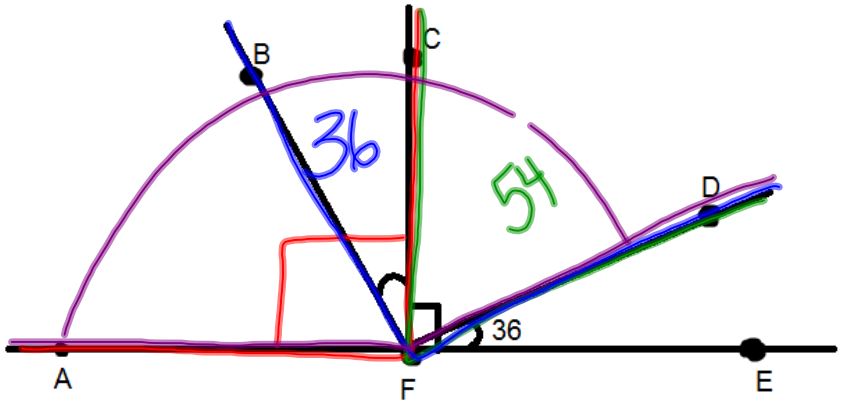
Aug 17-11:09 AM

Unit 1 WWK

Bisect	cut into two equal halves	

Aug 17-4:11 PM

TOC 11-U1 Angle Introduction



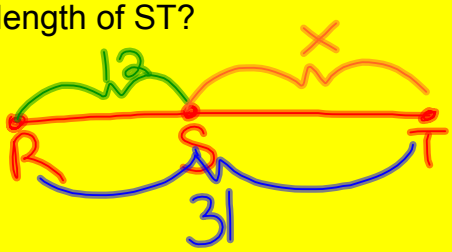
Classify the angles as right, acute, obtuse, or straight

1. <AFC 90°; right
2. <CFD 90-36=54°; acute
3. <BFD 36+54=90; right
4. <AFD 90+54=144; obtuse

Aug 17-11:18 AM

TOC page 12 Angle Introduction Examples

Ex 1 (page 12): Point S lies between R and T. If RS =12, and RT = 31, what is the length of ST?



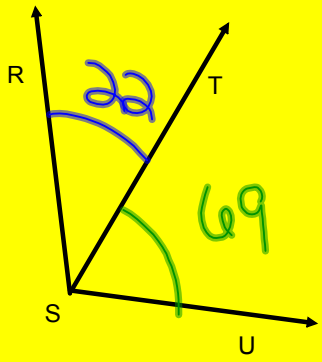
31-12=19

ST=19

Ex 2 (page 12): m<RST = 22 and m<TSU =69. What is m<RSU?

69+22=91

m∠RSU=91°

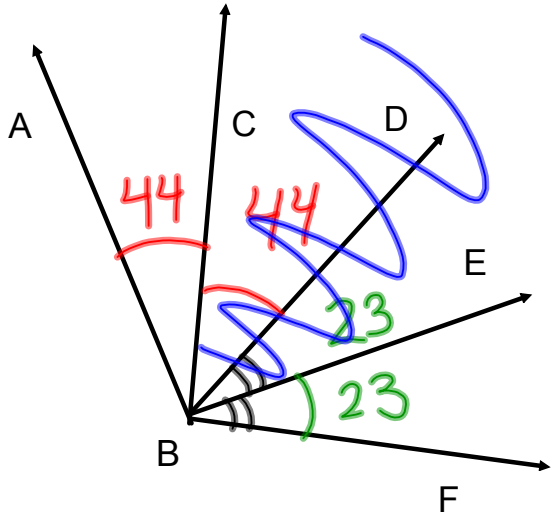


Aug 11-4:21 PM

Ex3 (pg 12) m<ABC = 44 and m<EBF =23. BC bisects <ABD. What is m<CBE?

44+23

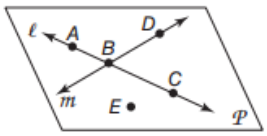
67°



Aug 12-8:04 AM

Exercises

Refer to the figure.



1. Name a line that contains point A.

2. What is another name for line m?

3. Name a point not on $\overleftrightarrow{AC}$.

4. What is another name for line ℓ?

5. Name a point not on line ℓ or line m.

Draw and label a figure for each relationship.

6. $\overleftrightarrow{AB}$ is in plane Q.

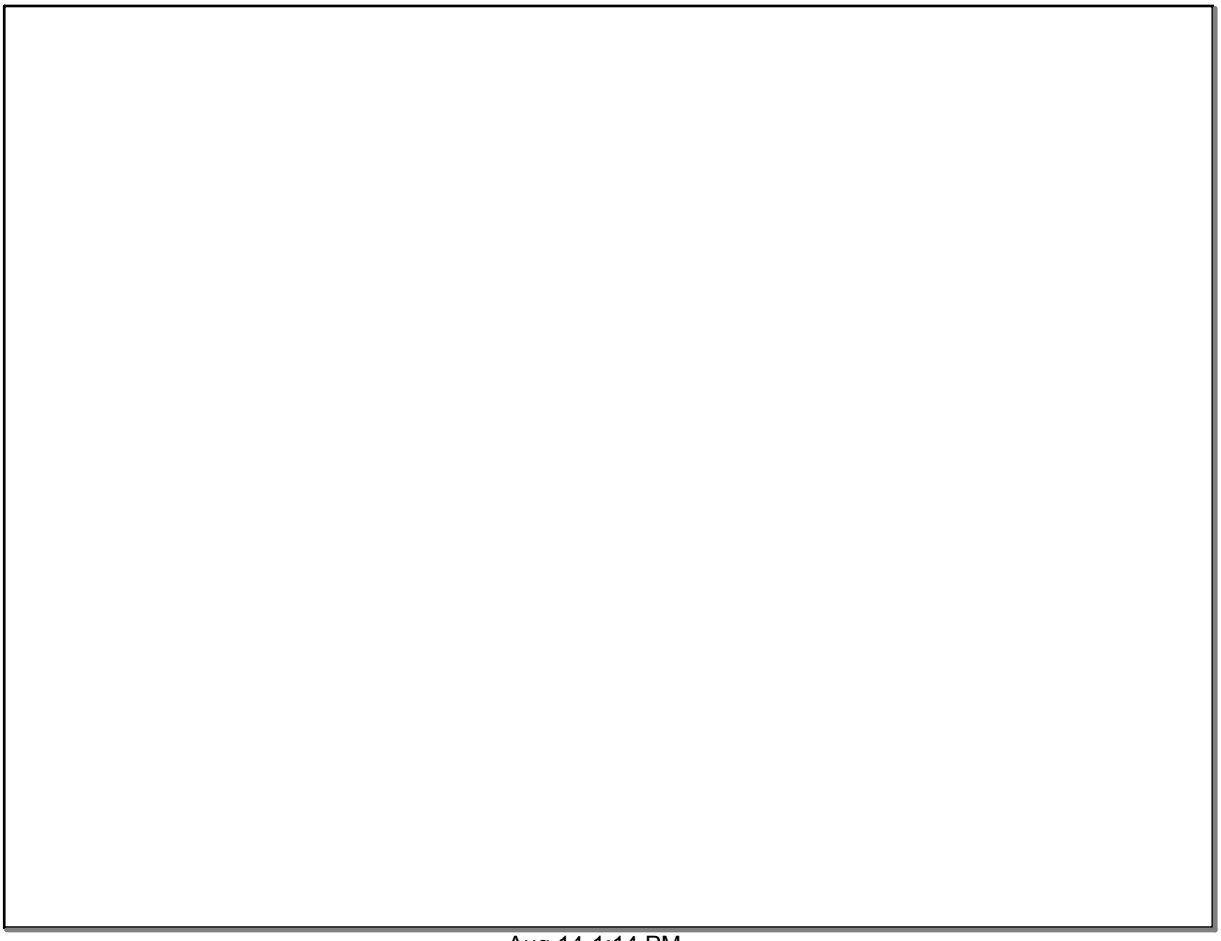
7. $\overleftrightarrow{ST}$ intersects $\overleftrightarrow{AB}$ at P.

8. Point X is collinear with points A and P.

9. Point Y is not collinear with points T and P.

10. Line ℓ contains points X and Y.

Aug 14-4:01 PM



Aug 14-1:14 PM