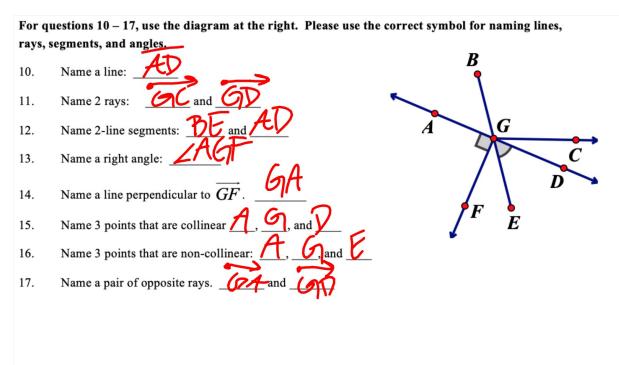
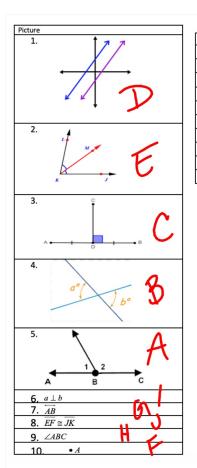
	estions 1 – 10, use a number or one of the following words to complete the sentences: ar, non-collinear, endpoint(s), perpendicular, parallel, vertex, capital, opposite rays
	~ · · · · · · · · · · · · · · · · · · ·
1.	To draw a line segment, I need exactly points.
2.	To name a line segment, I use the
3.	To name an angle, I must use 3 points. The \(\frac{1}{2}\) the Must be the 2 nd point.
4.	To name a ray, I use points.
	The first point must be the
5.	Points are named with Call therer(s).
6.	Two rays which together form a straight line are called
7.	Two lines that meet at 90° angles are called lines.
8.	Two lines that are in the same plane and never intersect are called
lines.	NON COLLINA (I)
9.	You need at least three points to name a plane

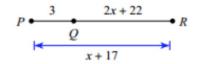




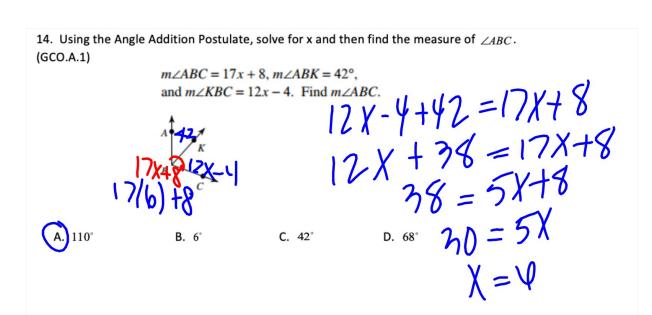
Vocabulary		
A. Linear Pair		
B. Vertical Angles		
C. Perpendicular Bisector		
D. Parallel Lines		
E. Angle Bisector		
F. Point		
G. Line		
H. Angle		
 Perpendicular to 		
J. Congruent to		

For #'s 11-13, choose the correct letter for each justification from the list below. (GCO.A.1)

Statements	Reasons
PQ + QR = PR	11. ?
3 + 2x + 22 = x + 17	Substitution Property
2x + 25 = x + 17	12 ?
X + 25 = 17	Subtraction Property of Equality
X = -8	13 ?



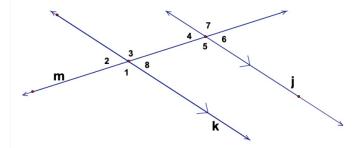
- A. Segment Addition Postulate
- B. Addition Property of =
- C. Subtraction Property of =
- D. Combine Like Terms
- E. Distributive Property



15. Joey drew a line segment, \overrightarrow{AB} , on patty paper and the folded it so A fell on top of B. He then put a point on the segment where the crease of the patty paper intersected \overrightarrow{AB} . What did Joey just find? (G.CO.D.12)

ala socy just lina: (G.CO.D.12)	
A. Angle bisector	B. Midpoint
C. Ray	D. Parallel Line

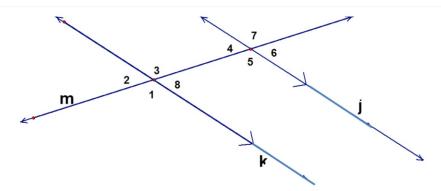
In the diagram below, $j \mid\mid k$. Use that fact to answer the questions below.



For questions 16 - 19, choose from the list of angle pairs below. CHOOSE ALL LETTERS THAT APPLY. (G-CO.C.9)

A. /1 and /3	B. ∠2 and ∠4	C. \(\alpha \)8 and \(\alpha \)5	D. ∠5 and ∠3	E. ∠5 and ∠2

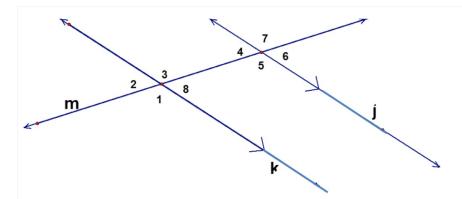
- 16. Name all the pairs from A E above that are corresponding angles.
- 17. Name all the pairs from A E above that are alternate interior angles.
- 18. Name all the pairs from A E above that are same-side interior angles
- 19. Name all the pairs from A E above that are vertical angles.



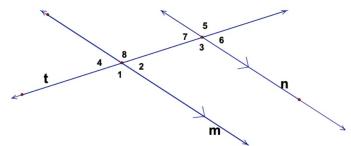
- 20. Assume that $j \parallel k$. If $m \angle 8 = 2x + 5$ and $m \angle 4 = 3x 10$, solve for x and choose the correct justification.
- A x = 15 by the Same-side Interior Angles Theorem B. x = 15 by the Alternate Interior Angles Theorem
 - x = 37 by the Same-side Interior Angles Theorem
 - D. x = 37 by the Alternate Interior Angles Theorem

$$3 \times 45 = 3 \times -10$$

 $5 = \times -10$
 1×15



- 21. Assume that $m\angle 1 = 120^{\circ}$ and $m\angle 6 = 60^{\circ}$, choose the correct statement.
 - A. Yes, the lines are parallel because the Same-side Interior Angles are supplementary.
 - B. Yes, the lines are parallel because the Same-side Exterior Angles are supplementary.
 - C. No, the lines are not parallel because Corresponding Angles must be congruent.
 - D. No, the lines are not parallel because Alternate Exterior Angles must be congruent.



Choose the correct letter for each Justification from the list below. (G-CO.C.9)

Given: $m \parallel n$ Prove: $\angle 1 \cong \angle 5$

Statement	Justification
m n	222
∠8≅∠5	23
∠1≅∠8	24 ?
∠1≅∠5	25.

- A. Transitive Property of congruence.
- B. ∠1≅∠5
- C. Vertical Angles are congruent≅
- D. Given
- E. Corresponding Angles of parallel lines are congruent
- F. Prove

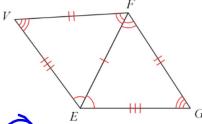
26. Which of the following set of theorems/postulates are valid to prove triangles are

congruent? (G-CO.B.8)

A. SAS, SSA, SSS D. HL, AAA, SSS AA, HL, SS

CAT, DOG, BYE

27. For the picture shown, which of the following congruency statements is correct?



 $\triangle EFG \cong \triangle EFV$

 $\triangle EFG \cong \triangle FEV$

- B) $\triangle GFE \cong \triangle VEF$
- D) $\triangle EGF \cong \triangle EFV$

IXL #17 - M.4 & M.5 due Friday at 4pm!	