## H. Geometry - Bellwork #12

Date:

1. Draw and label point W.



3. Draw and label line segment NP.



5. Draw and label ray LK.



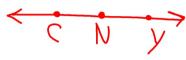
2. Draw and label line GH.

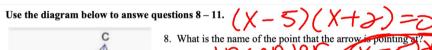


4. Draw and label ray KL.



6. Draw and label opposite rays NC and NY.





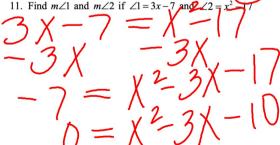
9. What important lines of the triangle meet at this point?



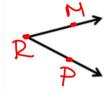
10. What is true about  $\angle 1$  and  $\angle 2$ ?



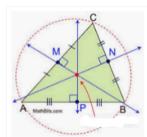
11. Find  $m \angle 1$  and  $m \angle 2$  if  $\angle 1 = 3x - 7$ 



7. Label the angle below as  $\angle MRP$ . What two rays form this angle?







Use the diagram below to answer questions 12 - 15.

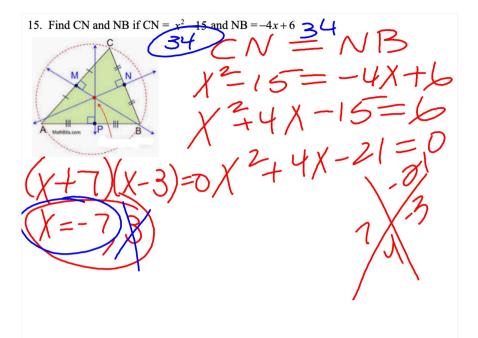
12. What is the name of the point that the arrow is pointing at?



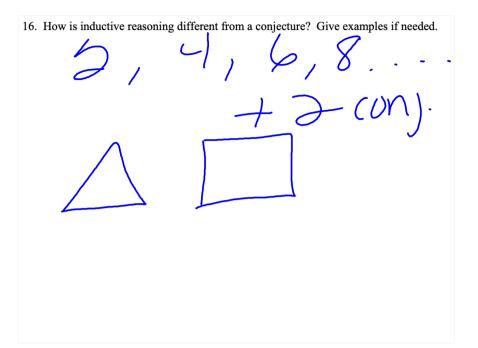
13. What important lines of the triangle meet at this point?

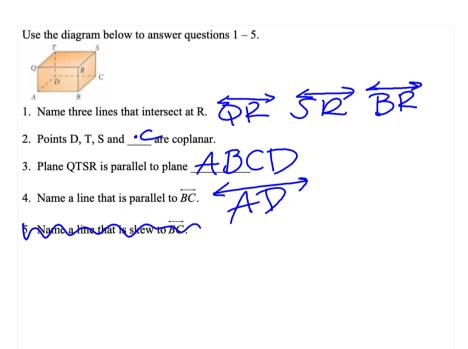
14. What is true about  $\overline{CN}$  and  $\overline{NB}$ ?





H. Geometry	Unit 1 Review
Vocabulary Words	e are Calinear
Points that lie on the same line	
Points and lines that lie on the	
Two parts of a line are a	20 Vrusta t 12 mg
Lines that are coplanar and do	
Lines in space that are not para	alter and do not intersect are lines.
Planes that do not intersect are	e varall blanes.
	7 33 34





7. C is the intersection of which two lines?

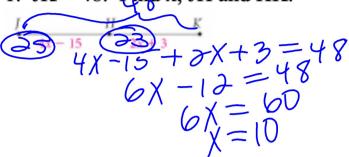
8. Name three collinear points. Vocabulary Words Segments with the same length are \_\_\_\_\_ The The fa segment divides the segment into two congruent segments. Two rays with the same endpoint form an Angles with the same measure are angles. Acute angles measure

Use the diagram below to answer questions 6-9.

Use the diagram below to answer	er questions 10-12.	
R S T W		
10. Name 3 line segments.  PS  TW	11. Name 3 rays.	12. Name a pair of opposite rays.

Obtuse angles measure
Right angles measure
Straight angles measure

1. JK = 48. Find x, JH and HK.



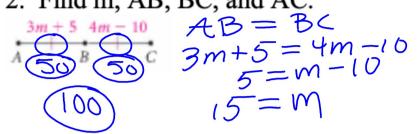
Use the diagram below for questions 3 and 4.

3. The  $m \angle PQR = 82^{\circ}$ . Find  $m \angle PQS$ .

$$7X-4+36=82$$
  
 $7X+32=82$   
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7x-4+36=4x+47 7x+30=4x+47

2. Find m, AB, BC, and AC.



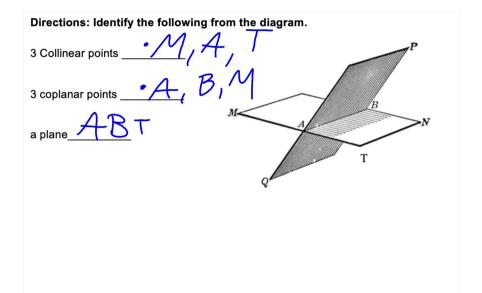
Use the diagram for questions 5 - 10.



6. Name a pair of vertical angles.

9. Name an angle adjacent to  $\angle DOE$ .

10. Given  $m\angle EOD = 60^{\circ}$ , find all other individual angles.



If EF = 2x - 5, FG = 4x - 8, and EG = 29, find the values of x, EF, and FG. The drawing is not to scale.

11 LI - 2	x - 3, $y - 4x - 4$	6, and 20 - 29, mid	the values of x, LT, and TO.	The drawing is not to scare.
$\boldsymbol{E}$	F	G		
-		<del></del>		

Directions: Draw and label the following correctly.

Perpendicular Bisector	Angle Bisector	Obtuse Angle
Acute Angle	Point	Opposite Rays

If T is the midpoint of SU, find the values of x and ST. The diagram is not to scale.

Use the diagram below.	
A X D E	Name a right angle and and and Name a pair of vertical angles and Name a pair of supplementary angles and Name a straight angle and Name a straight angle $m \angle AXB = $ $m \angle BXB = $