Geometry: Hutschenreuter	
Chapter 1.0 A/B and Chapter	

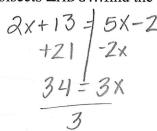
**Review** 

Name

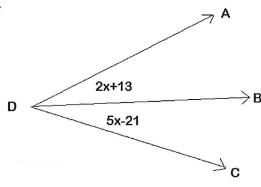
Hour Date

# Show expected work, marks, and labels. Circle your answers!

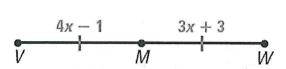
1.2  $\overrightarrow{DB}$  bisects  $\angle ADC$ ...find the value of x.







2.3 Find MW.



$$4x-1=3x+3$$
  
 $-3x + 1$   
 $x=4$ 

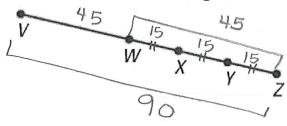
4x-1=3x+3 -3x +1 MW=3x+3=3(4)+3 X=4 MW=15 and MW=15

In 3 – 6, use the figure with VZ = 90, W bisects  $\overline{VZ}$ , and  $\overline{WX} \cong \overline{XY} \cong \overline{YZ}$  to find the lengths.

$$3._1 \quad YZ = 15$$

$$4.1 \quad VW = 4.5$$

$$5.1 \quad VY = \sqrt{75}$$

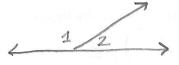


In 7 – 10, sketch an example of each pair of angles using  $\angle 1$  and  $\angle 2$  as the labels.

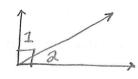
 $7._{1}$ Vertical Angles



8.1 Linear Pair



9.1Complementary Angles

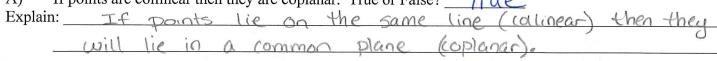


10.1Supplementary Angles



For part A and B state whether the statement is true or false. Then explain your decision.  $11._{2}$ 

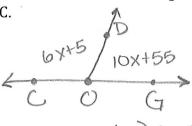
If points are collinear then they are coplanar. True or False? A)



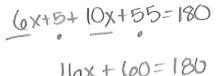
$D$ ) $\Pi$	points at	re copian	ar men mey	are comme	ear. I	rue or Faise?	Haw		
Explain:	3	pts.	that	form	a	triangle	are	coplanar	, but
		1		, 0		,		1	
		not collinear							

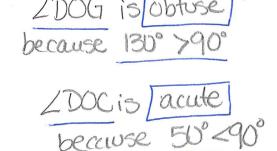
### In 12 and 13, $m \angle DOG = 10x + 55$ and $m \angle DOC = 6x + 5$ and the two angles are supplementary.

 $12._{3}$ Sketch the situation and find the measures of  $\angle DOG$  and  $\angle DOC$ .



13.2 Classify ∠DOG and ∠DOC and explain.





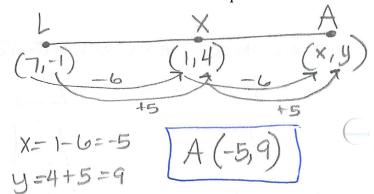
- 14.3  $\angle 1$  and  $\angle 2$  are complementary angles. Find  $m \angle 1$  if  $m \angle 2$  is triple  $m \angle 1$ .

$$m21+m22=90$$

$$X + 3x = 90$$
  
 $4x = 90$   
 $x = 22.5$ 

$$m21 = 22.5^{\circ}$$
  $m22 = 3(22.5)$   $= 67.5^{\circ}$ 

In  $\overline{LA}$ , L(7,-1) & has midpoint X(1,4). 15.2Find the coordinates of endpoint A.



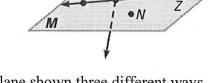
In 16 - 19, use the figure at the right and use proper notation.

 $\frac{2}{16.1}$  16.1 Name 3 points that a collinear.

 $\frac{\sqrt{2}}{17.1}$  Name a pair of opposite rays.

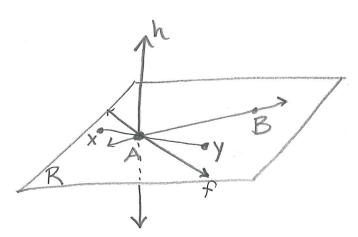
Dine h,  $\overrightarrow{YP}$  18.2 Give two other names for  $\overrightarrow{PY}$ 

plane M, plane YNZ, plane XNZ 19.2 Name the plane shown three different ways.



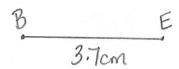
# 20.3 Sketch the following...

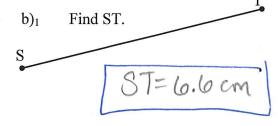
Plane R, containing  $\overrightarrow{AB}$  and line f. Line f,  $\overline{XY}$  and  $\overrightarrow{AB}$  intersect at point A. Line h also intersects at point A, but does not lie in plane R.



## 21. Get a ruler!

a)<sub>1</sub> Draw  $\overline{BE}$  3.7 cm in length.

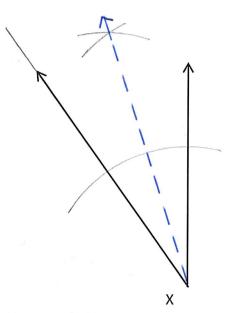




## 22. $\angle X$ is given.

a)<sub>1</sub> Find the measure of angle X to the nearest degree.

b)<sub>2</sub> Construct the bisector.



23.3  $\angle X$  is given. Use the workline to construct  $3 \cdot m \angle X$ .

