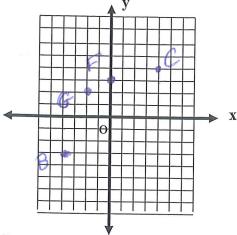
Geometry Chapter 1 Review SHOW WORK

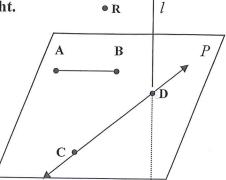
Date:

Graph and label each point.

- 1. B (-4, -3), C (4, 4)
- **2.** F(0,3), G(-2,2)



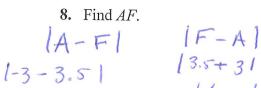
For questions 3-7, refer to the diagram at the right.

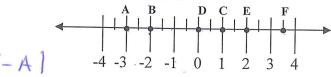


- 3. Name the intersection of line l and \overline{CD} . Point D
- **4.** If \overrightarrow{RB} and \overrightarrow{RC} were drawn, what would be their intersection? tornt K
- **5.** Name the intersection of \overline{CD} and plane P.
- 6. Write another name for plane P. Plane AB D
- 7. Name four noncoplanar points.



For questions 8 and 9, refer to the number line below.







9. Find AE - BD.

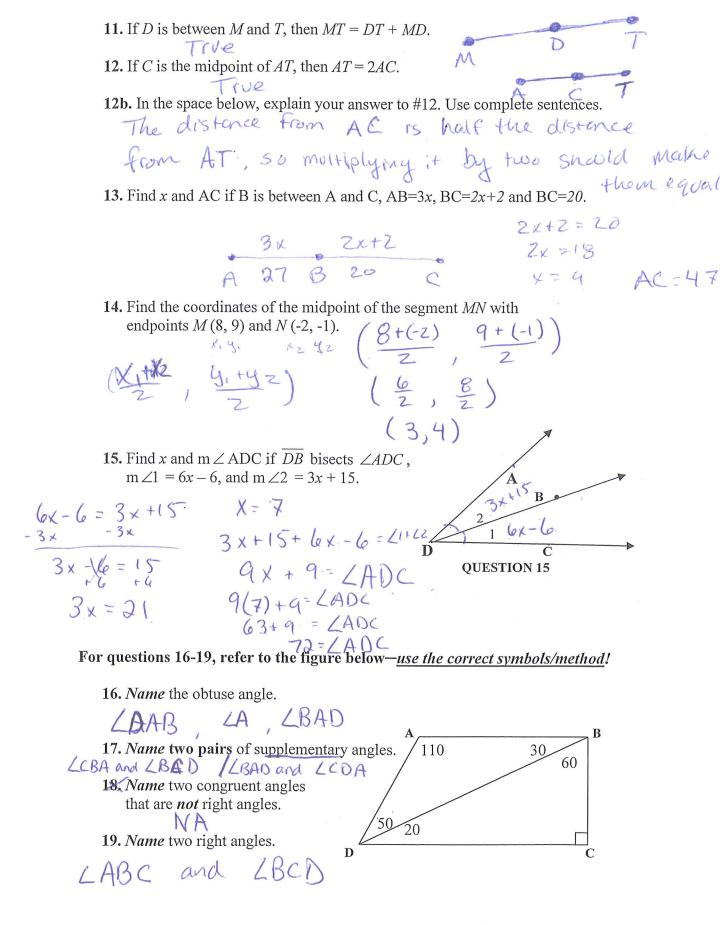
5-2

10. Find the length of the segment with endpoints H(2, -3) and J(6, 7).

d=1(6-2)2+(7--3)2

d=V(4)2+(10)2

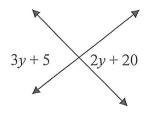
For questions 11 to 12, write the word true or false.



20. The measure of an angle is three times the measure of its supplement. Find the measure of the angle.

$$3x + x = 180^{\circ}$$
 $Lz = 135^{\circ}$ $4x = 180^{\circ}$ $x = 45^{\circ}$

21. Find the value of y.



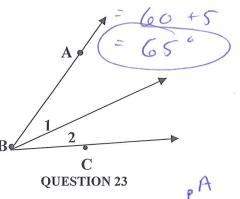
22. Find $m \angle 2$ if: $\angle 2$ forms a linear pair with $\angle 1$, $m \angle 2 = 10x + 5$, and $m \angle 1 = 20x - 5$. $\angle 1 + \angle 2 = 18$

and m
$$\geq 1 = 20x-5$$
. $\geq 1 + 22 = 180$
 $10x+5+20x-5=180$
 $30x=180$
 $x=6$

23. Find the value of x if $m \angle ABC = 6x$, $m \angle 1 = 2x + 5$, and $m \angle 2 = 3x - 1$.

$$2x+5+3x-1=6x$$

 $5x+4=6x$
 $4=x$



= 10 (6)+5

24. If Line AB \perp Line BC, and m \angle ABC= 3x+15, find x.

25a. Name the polygon below by its sides (be specific!); then classify it as concave or convex, regular or not regular.

(There are 3 answers!) Pentagon Convex Progulate (convex/concave) Regular/Not Reg

25b. Find the perimeter of the polygon for x = 6.

