Name-
Quiz REVIEW

Part 1 – True or False

Mark True or false- if False give the correct answer.

1- The intersection of two planes is a point. T (F) it's a line

2- A line segment has two end point. (T) F _____

3-Two point determine a line. (T) F _____

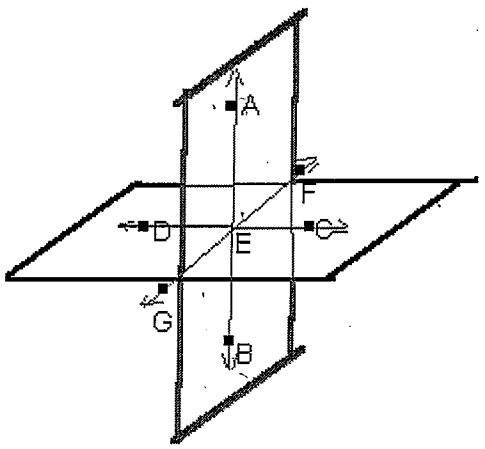
4. Natural numbers include zero. (T) F This won't be on the Quiz

5. Irrational numbers can go on forever with out repeating (T) F Not on Quiz

6. A bisected segment has two congruent parts (T) F _____

Part 2 – Name that part

Refer to the figure bellow to answer 8- 11



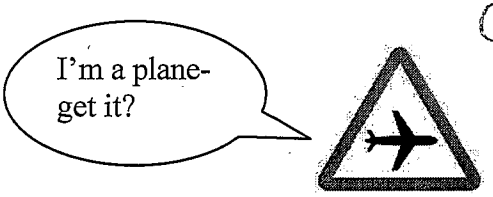
8. Name the intersection of $\overline{AB}$ and $\overline{CD}$ E

9. Name the intersection of the two planes $\overleftrightarrow{GF}$

10. Name a point that is coplanar with A and E

B, G or F

11. Name three collinear points. AEB or DEC GEF



Part 3 – Name that point

Use the number line to answer questions 12- 14

5 5

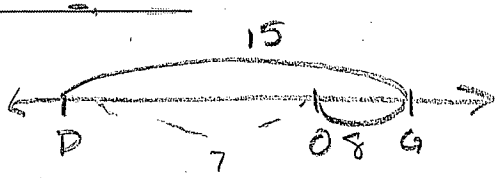
12. BD=EG (T) F

13. AB=DE T (F) 3 = 2

14. C is the midpoint of $\overline{AE}$ (T) F

$7+3=10/2=5$

15. DG=15 and DO=8 OG=__7__



16. DO=7.2 and OG=4.5 DG=__11.9__

7.2+4.5=

Part 4 – How long?

If E is the midpoint of HY find the value for X.

17. HE= 3X+16 and EY=7X X=__4__

$3x+16 = 7x$

$-3x \quad -3x$

$16 = 4x$

$\frac{16}{4} = \frac{4x}{4}$

$4 = x$

18. HE=2X and EY=X+5 X=__5__

$2x = x+5$

$-x \quad -x$

$x = 5$

19. EY= 3X-1 and HE=X+13 X=__7__

$3x-1 = x+13$

$-x \quad -x$

$2x-1 = 13$

$+1 \quad +1$

$\frac{2x}{2} = \frac{14}{2}$

$x = 7$

Part 5 – Graph Me!

First state whether each equation is a line, segment or a ray.

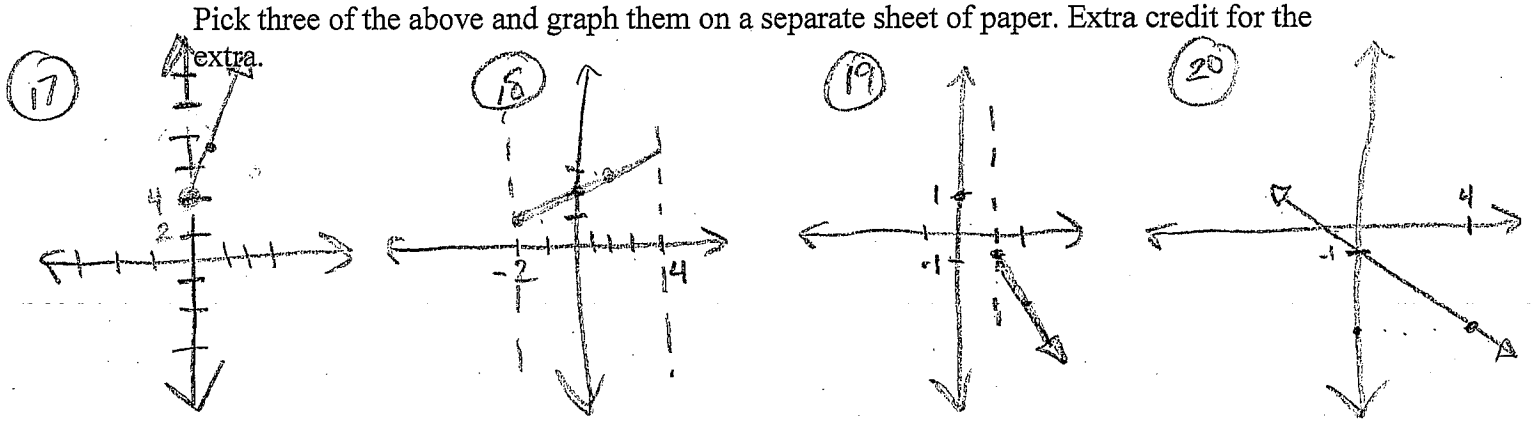
17. Y=3X+4 if x<0 is a line, ray, segment__ray__

18. Y=(1/2)x+2 if X>-2 and X<4 is a line, ray, segment__segment__

19. Y= -2X+1 if X>1 is a line, ray, segment__ray__

20. Y= -(3/4)x-1 for all real numbers is a line, ray, segment__line__

Pick three of the above and graph them on a separate sheet of paper. Extra credit for the extra.



Part 6- Line midpoints

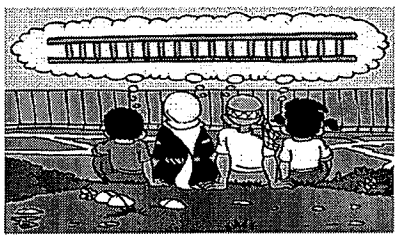
21. A (0,4) B (0,0) midpoint 0, 2

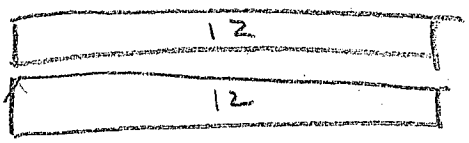
22. A (-3,2) B (-5,6) midpoint -4, 4

23. A (-8,3) midpoint (-1, -1.5) B 6, -6

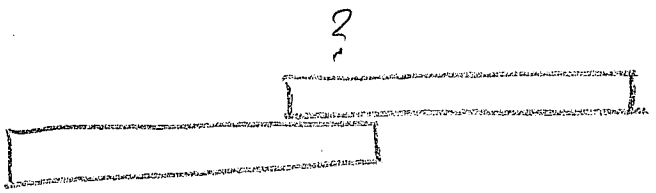
Part 7- The thinker...

23. I bought a ladder for the play this week-end. It has two sections each 12 feet long. When I open it out all the way it is only 20 feet 5 inches. When extended how much of the ladder is left overlapping?





folded = 12



extended = 20, 5ind

5/12 = .41

12+12 should equal 24

3 9
24.00
- 20.41
3.59

3 feet 7inches