Geometry Review #1

1) Can two acute angles be complementary?

2) Can two acute angles be supplementary?

3) What is the slope of a horizontal line?

4) What is the slope of a vertical line?

5) Do two adjacent angles always form a linear pair?

6) Does a linear pair always consist of two adjacent angles?

7) Does a linear pair always consist of two supplementary angles?

8) What is the midpoint of the segment with endpoints (-6, 2) and (-8, 3)?

9) What is the distance between the points (3, -4) and (4, -7)?

10) What is formed by the intersection of two distinct lines?

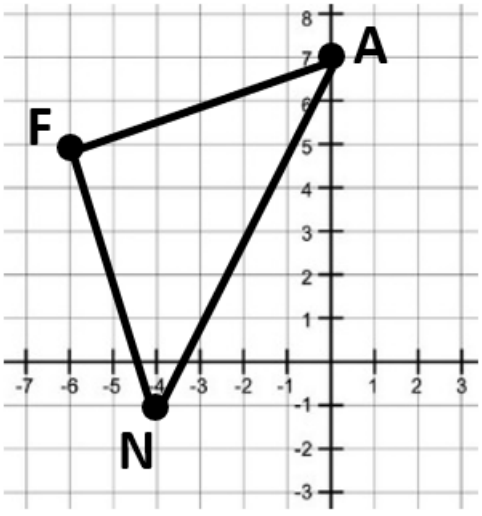
11) What is formed by the intersection of two distinct planes?

12) What does it mean if two geometric figures are congruent?

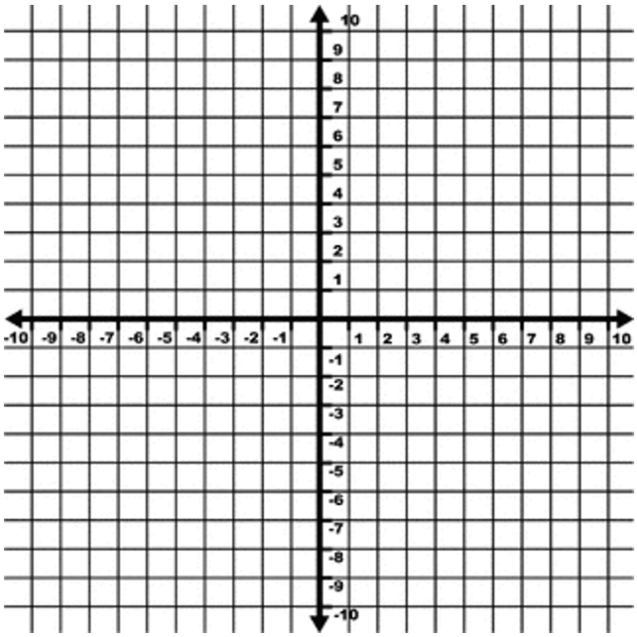
13) What is the difference between a line and a (line) segment?

14) Give the converse of the statement: "I am tired on Mondays."

15) What is the area of Triangle FAN: F(-6, 5), A(0, 7), N(-4, -1)?



16) On the coordinate plane below, draw a rectangle with an area of 16 square units.



17) Do planes have edges?

18) What are all of the <u>possible</u> names for a four-sided closed plane figure?

19) If Point D is between Point E and Point F, then does DE equal DF?

20) Complete the proof below.

Given: $3(x+5) = \frac{1}{4}x - 8$

Prove: $x = -\frac{92}{11}$

Step	Statement	Step	Reason
1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	