Snow Day #1

Name_____

Solving Equations Review

Solve each equation.

1) $a + 12 = -7$

2) $-23 = x - 12$

3) $-20 = r - 19$

4) $\frac{p}{9} = -14$

5) $-4 + \frac{v}{6} = -1$

6) $-1 = \frac{1 + x}{-10}$

7) $10 = 10 + \frac{r}{1}$

8) $\frac{n}{4} + 3 = 7$

9) $-2 = \frac{x + 1}{7}$

10) $\frac{v + 9}{3} = 5$

11) $6(7x + 2) = -240$

12) $-99 = 2(5x - 8) - 3$

13) $6x - 5(1 + 6x) = 139$

14) $8(-8 + 5v) = 256$

15) $-8n - 8(2n - 5) = 208$

16) $-7(1 + 4n) = 133$

Snow Day #2

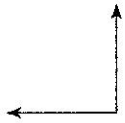
Name_____

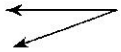
Classifying Angles

Classify each angle as acute, obtuse, right, or straight.

1) 

2) 

3) 

4) 

5) 90°

6) 10°

7) 180°

8) 115°

Draw and label an angle to fit each description.

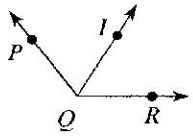
9) an acute angle, $\angle XYZ$

10) an obtuse angle, $\angle ABC$

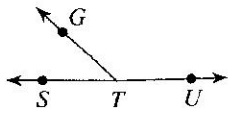
11) a straight angle, $\angle CDE$

12) an obtuse angle, $\angle E$

13) $m\angle PQI = 70°$ and $m\angle PQR = 128°$.
Find $m\angle IQR$.



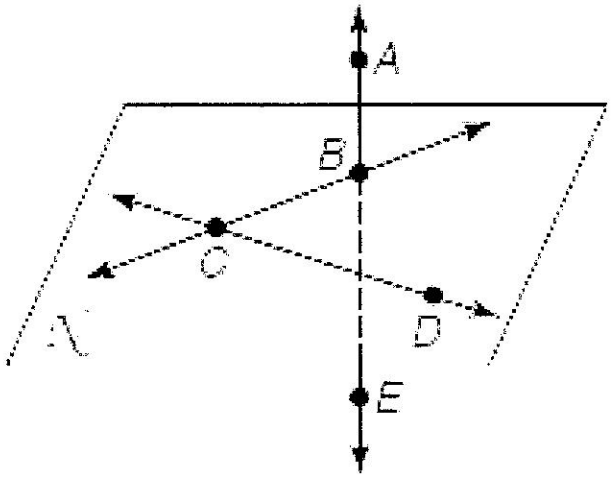
14) $m\angle STU = 178°$ and $m\angle GTU = 135°$.
Find $m\angle STG$.



Snow Day #3

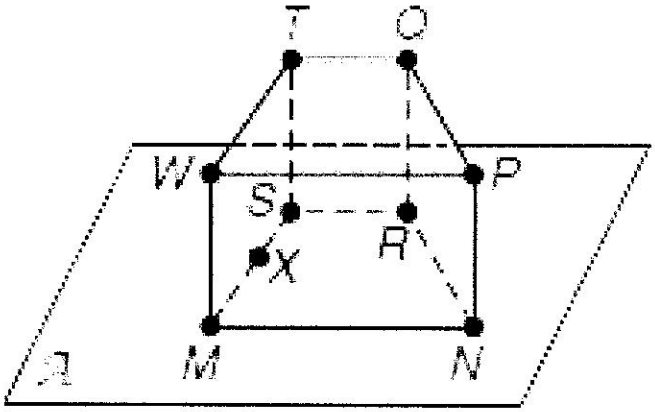
Name: _____ Date: _____

Refer to the Figure for questions 1 - 5.



1. Name a line that is not contained in plane *N*.
2. Name two different ways to name a plane that contains point B.
3. Name three collinear points.
4. Name two lines that intersect and the point where they intersect.
5. Name a set of opposite rays.

Refer to the Figure for questions 6 - 11.



6. Name ALL the planes.
7. Name three collinear points.
8. Are points N, S, R, and W coplanar? Why?
9. What is another way to name Plane *A*?
10. Where do $\overleftrightarrow{QR}$ and $\overleftrightarrow{SR}$ intersect?
11. Name two lines or segments and their intersections (other than question 10). (3 pt)

For questions 12-17, determine whether each statement is *always, sometimes,* or *never* true. (2 pt)

12. $\overleftrightarrow{TQ}$ and $\overleftrightarrow{QT}$ are the same line.
13. $\overrightarrow{JK}$ and $\overrightarrow{JL}$ are the same ray.
14. Intersecting lines are coplanar.
15. Four points are coplanar.
16. A plane containing two points of a line contains the entire line.
17. Two distinct lines intersect in more than one point.

Snow Day #4

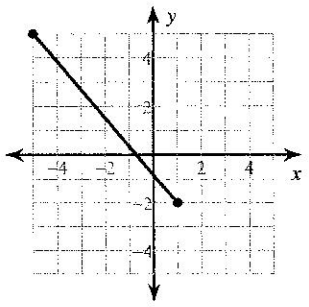
Kuta Software - Infinite Geometry

Name_____

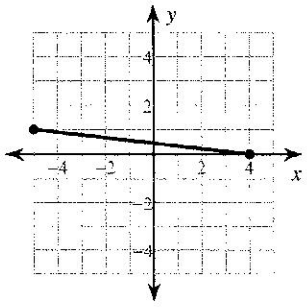
The Distance Formula

Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

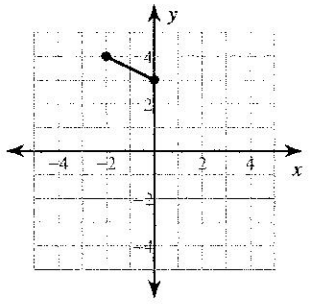
1)



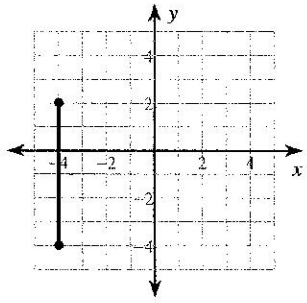
2)



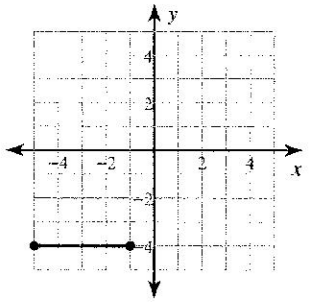
3)



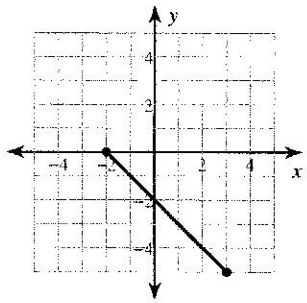
4)



5)



6)



7) (–2, 3), (–7, –7)

8) (2, –9), (–1, 4)

9) (5, 9), (–7, –7)

10) (8, 5), (–1, 3)

11) (–10, –7), (–8, 1)

12) (–6, –10), (–2, –10)

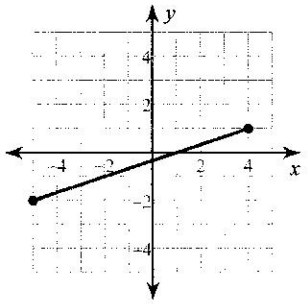
Snow Day #5

Name_____

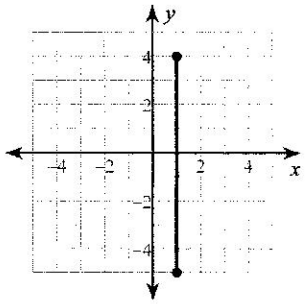
The Midpoint Formula

Find the midpoint of each line segment.

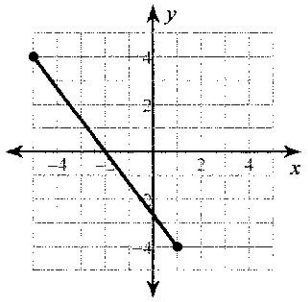
1)



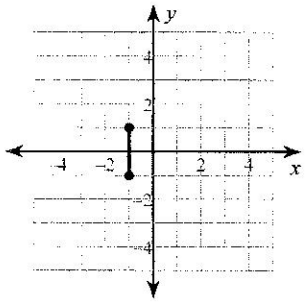
2)



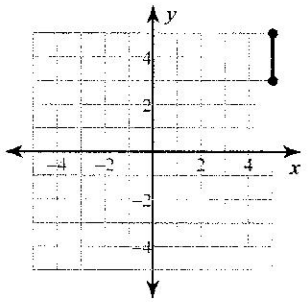
3)



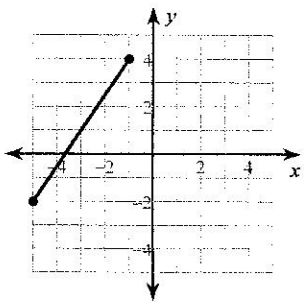
4)



5)



6)



Find the midpoint of the line segment with the given endpoints.

7) $(6, 9)$, $(-5, 0)$

8) $(6, 6)$, $(-2, 4)$

9) $(-8, 8)$, $(-7, -6)$

10) $(7, 0)$, $(-3, 5)$