

**Assignment: T1-15 Distance & Midpoint**

**Show your work!**

Distance Formula:

Pythagorean Theorem:

Find the distance between the give points. Use your answers and the decoder to find the distance from C.C. Sabathia at the pitcher’s mound to Chris Stewart at home plate.

1. A (-10, 8) and B (-8, 4)

7. M (7, 9) and N (5, 8)

2. C (-5, -3) and D (-5, 8)

8. O (3, -11) and P (8, 1)

3. E (-7, 5) and F (1, -1)

9. Q (-4, 5) and R (8, -4)

4. G (9, 4) and H (4, -1)

10. S (0, -6) and T (-3, -7)

5. I (-3, 10) and J (1, 7)

≈ 2.2	$\frac{1}{0}$	≈ 4.5	5	$\frac{1}{7}$	≈ 7.1	≈ 3.2	$\frac{1}{3}$	$\frac{1}{5}$	$\frac{1}{1}$
C	E	F	H	I	N	S	T	X	Y

6. K (-11, -10) and L (-3, 5)

10 6 9 8 2      1 3 3 8 ,

10 6 9      6 4 7 5 3 10

Find the midpoint for each of the line segments below. Midpoint Formula:

11. M(11, -2) N(-9, 10)

12. R(-10, 8) S(6, 10)

13. A(-2, 6) B(-8, 4)

14. C(10, -5) D(6, -7)

15. T(4, 3) U(8, 11)

16. L(-9, -2) M(-11, -8)

Review. Fill in the blank and then find the answer in the word search below.

1. An angle whose measure is less than 90 degrees is a(n) \_\_\_\_\_ angle.
2. An angle whose measure is exactly 90 degrees is a(n) \_\_\_\_\_ angle.
3. An angle whose measure is between 90 and 180 degrees is a(n) \_\_\_\_\_ angle.
4. An angle is a figure formed by two \_\_\_\_\_ with a common endpoint.
5. The common endpoint shared by the two sides of an angle is the \_\_\_\_\_.
6. Two angles with the same measure are \_\_\_\_\_ angles.
7. \_\_\_\_\_ angles have a sum of 90 degrees.
8. \_\_\_\_\_ angles have a sum of 180 degrees.
9. Two angles that share a side and a vertex are \_\_\_\_\_ angles.
10. Two non-adjacent angles formed by intersecting lines are \_\_\_\_\_ angles.

E Y T R S A N J E P A Y T I  
S E R R I G H T I V X O E B  
S H U A Q W T R S E D Z Q I  
K E S U T B O N T R B F H U  
D U E X I N H R D T T S L T  
W S E P W K E L L I D P G N  
G T T Y C V A M M C K Z U E  
R P U L R T X D E A W T O U  
A S C Q F M S G N L H R D R  
Y R A T N E M E L P P U S G  
S Z D R B W Y M S D I M P N  
C T W A P M R X T Z W Y O O  
R S D T N E C A J D A S T C

