**Unit 2 - Practice Test Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_**

**I can use appropriate vocabulary/notation: \_\_\_\_\_\_\_\_\_\_\_\_**

1. Use the diagram to the right to:
	1. Name a pair of supplementary angles: \_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_
	2. < EBD and <FBE are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. Give an example of vertical angles: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**I can use properties of angles to determine measures: \_\_\_\_\_\_\_\_\_\_\_\_**

1. State the relationship between the angles to justify your equation and then solve for x and y using properties of angles.

3y + 2

5y - 6

6x - 1

1. State the relationship between the angles to justify your equation and then solve for x.



4.) If a // b and c // d, prove that < 4 $≅$ < 10 . **Justify every equation that you used.**



5y + 23

12x - 48

1. Find the value of the variable if  m < 1 = 7x – 12 and m < 5 = 5x + 6. **Justify the equations**.

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6.) Solve for x and y. Justify each step.



7.) Identify 2 Consecutive Interior Angles.



8.) Identify 2 sets of Corresponding Angles.



9.) Line *r* is parallel to line *t*. Determine the *m*4 and the correct justification:



1

127°

10.) Lines a, b, c and d are shown below and a // b. Name all angles that are supplementary to <x.



x

167°

11.) The midpoint of segment RQ is (-1, 0), point R is located at (-3, 4) the coordinates of endpoint Q are:

a) (-5, 8)

b) (-4, 1)

c) (1, 2)

d) (1, -4)



Z

Use the above figure to answer the following questions.

12.) Name for plane M in two different ways (left side of the box)

13.) Identify a pair of opposite rays.

14.) Where is the intersection of $\overleftrightarrow{DZ}$ and $\overbar{EC}$?

15.) Name 3 collinear points.