MIDTERM 2017 REVIEW SHEET – SHORT ANSWER PRACTICE

ALL WORK MUST BE SHOWN TO RECEIVE CREDIT

Date: _____ Pd. ____

Name: _____ Partitioning:

- **1A)** Points A, P and B are collinear on \overline{AB} , and AP:AB = 2/7. A is located at the origin, B is located at (7,-14) and P is located at (x,y).
 - **_1B)** Point D is collinear with points A and K on \overline{AK} . A is at (7, 2) and K is at (2, -10). Point D partitions AK in a ratio of 5:1. Find the location of D.
- 2. Consider the following diagram. Which of the following statements are true? Select all that apply?



7. Rotate the figure 180° counterclockwise.

A'(,) B'(,) C'(,)

Similar Polygons:

The polygons in 8A & 8B are similar. Solve for x. (Hint: Use Proportions)



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9. Parallel and Perpendicular Lines

Match the equation on the left to the line description on the right.



Special Angle Pairs



Angles of a Polygon:



Unit 1 Formulas/Rules:

Midpoint, Distance, Partitioning, Equations of a Line, Parallel and Perpendicular Slopes

Unit 2 Formulas/Rules:

Translation Rules, Reflection Rules, Rotations Rules, Dilations Rules, Finding Scale Factor, Algebraic Description **Unit 3 Formulas/Rules:**

Complementary, Supplementary, Vertical Angles, Parallel Lines cut by a Transversal Special Angle Pairs **Unit 4/5 Formulas/Rules:**

Interior and Exterior Angles of a Polygon, Rotational Symmetry, Similarity Proportions, Scale Factor