Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**7th Grade RED CHAPTER 7 Practice 2**

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| **State whether the angles are adjacent or vertical. Then find the value of x.** (2pts) | |
| 1)    Answer: ADJACENT or VERTICAL  X = \_\_\_\_\_\_\_\_\_\_\_ | |
| 2)  Answer: ADJACENT or VERTICAL  X = \_\_\_\_\_\_\_\_\_\_\_ | |
| **Solve.**  3) The measure of two supplementary angles have a ratio of 1 : 17. What is the measure of the larger one?  Larger Angle = \_\_\_\_\_\_\_ | |
| **Tell whether the angles are complementary, supplementary or neither.**  5) 6) | |
| **Find the value of x. Classify the triangle.**  X = \_\_\_\_\_\_\_\_\_\_  6)  Classification:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **Find the value of x. Classify the triangle.**  X = \_\_\_\_\_\_\_\_\_\_  7)    Classification:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **Draw a triangle with the given measures. Then classify.**  8) 60**°**, 70**°**, 70**°**  Classification:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| 9) 35**°**, 45**°**, 100**°**  Classification:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| 10) Name two quadrilaterals that have four 90**°** angles.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **Classify the quadrilateral.**  11)  Classification:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| 12)  Classification:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **Find the value of x.**  13) | 13) x = \_\_\_\_\_\_\_ |
| 14) | 14) x = \_\_\_\_\_\_\_ |
| **Draw a rhombus with two 60° angles.**  15) | |
| **Find the missing dimension. Use a scale factor of 1 : 15.**  16) | 16) \_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 17) A basketball player is 6 feet 8 inches tall. A model of the basketball player is 5 inches tall. What is the scale factor? | 17) \_\_\_\_\_\_\_\_\_\_ |
| 18) **A scale drawing of a movie screen is 21 inches long and 9 inches tall. The actual screen is 30 feet tall.**  a) What is the scale of the drawing?  b) Find the perimeter and area of the scale drawing.  c) Find the perimeter and area of the actual movie screen.  Scale:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  MODEL  Perimeter:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Area:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  ACTUAL MOVIE SCREEN  Perimeter:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Area:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |