**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PERIOD: \_\_\_\_\_\_\_ DATE:\_\_\_\_\_\_\_\_\_\_\_**

**ANGLES STUDY GUIDE – MATH 6A**

**PART 1 (Multiple Choice): Circle the correct answer.**

|  |  |
| --- | --- |
| **1. What is the classification of the pair of angles shown?**  A.) supplementary  B.) vertical  C.) complementary | **2. What is the classification of the pair of angles shown?**  A.) supplementary  B.) vertical  C.) complementary |
| **3. What is the classification of the pair of angles shown?**  A.) supplementary  B.) vertical  C.) complementary | **4. What is the measure of angle X?**  A.) 115 degrees  B.) 65 degrees  C.) 90 degrees  D.) 180 degrees |

**PART 2 (Short Answer): Show all work.**

|  |  |
| --- | --- |
| **5. Set up & solve an equation to find the measure of angle x.**    **72.6**  **x**  **measure of angle x = \_\_\_\_\_\_\_\_\_ degrees** | **6. Set up & solve an equation to find the measure of angle m.**    **measure of angle m = \_\_\_\_\_\_\_\_\_ degrees** |
| **7. Set up & solve an equation to find the value of x.**    **x = \_\_\_\_\_\_\_\_** | **8. Use your answer from question 7 to find the measure of the missing angle. Show your work.**    **\_\_\_\_\_\_\_\_\_ degrees** |
| **9. Set up & solve an equation to find the value of x.**    **x = \_\_\_\_\_\_\_\_** | **10. Set up & solve an equation to find the value of x.**    **x = \_\_\_\_\_\_\_\_** |
| **11. Set up & solve an equation to find the value of x.**    **x = \_\_\_\_\_\_\_\_** | **12. Use your answer from question 11 to find the measure of the missing angle. Show your work.**    **\_\_\_\_\_\_\_\_\_ degrees** |
| **13. Set up & solve an equation to find the value of x.**    **x = \_\_\_\_\_\_\_\_** | **14. Use your answer from question 13 to find the measure of the missing angle. Show your work.**    **\_\_\_\_\_\_\_\_\_ degrees** |