Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_

**3.0B NOTES – Angles Review**

*Objective: use facts about supplementary, complementary, vertical, and adjacent angles in a multi-step problem to write and solve simple equations for an unknown angles in a figure. CC.SS.7.G.5*

**Vertical Angles**: angles that are opposite each other when two lines cross. Vertical angles share a vertex and are **congruent**.





**Adjacent Angles**: Two angles that share a common side and have the same vertex.



 and  are adjacent

**Complementary Angles:** The angle measures add up to 90o (two or more angles form a right angle).

**Supplementary Angles:** The angle measures add up to 180o (two or more angles form a straight angle).



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**Tell whether the angles are *vertical, complementary or supplementary*. Then find the value of x.**



**3.**

**2.**

**1.**

BACK 🡪

READ EXAMPLES 1 & 2 P. 101. THEN DO “TRY IT YOURSELF #1-4

|  |
| --- |
| **Example 1: Tell whether the angles are adjacent or vertical. Then find the value of x.**TA: C:\replacearts\Blue Record and Practice Journal\Blue Chapter 3 RPJ\Arts\PNGs\mscc8_rpj_0301_02.png**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; x =\_\_\_\_** |
| **Example 2: Tell whether the angles are complementary or supplementary. Then find the value of x.****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; x =\_\_\_\_** |
| **PRACTICE PROBLEMS:** “What You Learned Before.” Submit on BIM |
| **Tell whether the angles are adjacent or vertical. Then find the value of x.****CHECK WORK** **CHECK WORK** **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; x =\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; x =\_\_\_\_** |
| **Tell whether the angles are complementary or supplementary. Then find the value of x.****CHECK WORK****CHECK WORK****\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; x =\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_; x =\_\_\_\_** |

Video: <https://www.youtube.com/watch?v=QjwbvNdUSTk>