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

**7.1B Adjacent and Vertical Angles\_Classwork**

*Objective: identify adjacent and vertical angles; find angle measures using adjacent and vertical angles. CC.SS.7.G.5*

*Homework textbook: 7.1B pg 274\_1-13 ALL*

**WARM-UP ACTIVITY**

|  |
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|  |
| **List as many angles that you see** | **List as many adjacent angles that you see** | **List as many vertical angles that you see** |
|  |  |  |

**EXAMPLE** Tell whether the angles are adjacent or vertical angle. Then find the value of x.

|  |  |  |
| --- | --- | --- |
| **1.**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **2.**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **3.**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **4.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **5.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **6.**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

PRACTICE PROBLEMS

Name two pairs of adjacent angles and two pairs of vertical angles in the figure.

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| --- | --- | --- | --- |
| **1.**TA: S:\mscc7wb03.01\Red Production\Red Record and Practice Journal\Art\07\mscc7_rpj_0701_13.eps,11/5/2012 10:32:07 AM replaced: 7/31/2016 7:28:24 PM | Adjacent Angles: \*\*Vertical Angles\*\*  | **2.**TA: S:\mscc7wb03.01\Red Production\Red Record and Practice Journal\Art\07\mscc7_rpj_0701_14.eps,11/5/2012 10:30:21 AM replaced: 7/31/2016 7:28:25 PM | Adjacent Angles: \*\*Vertical Angles\*\*  |

Tell whether the angles are *adjacent* or *vertical*. Then find the value of *x*.

|  |  |
| --- | --- |
| **TA: S:\mscc7wb03.01\Red Production\Red Record and Practice Journal\Art\07\mscc7_rpj_0701_15.eps,11/5/2012 9:58:02 AM replaced: 7/31/2016 7:28:25 PM3.**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **TA: S:\mscc7wb03.01\Red Production\Red Record and Practice Journal\Art\07\mscc7_rpj_0701_16.eps,11/5/2012 10:21:21 AM replaced: 7/31/2016 7:28:25 PM4.**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| TA: S:\mscc7wb03.01\Red Production\Red Record and Practice Journal\Art\07\mscc7_rpj_0701_17.eps,11/5/2012 10:22:08 AM replaced: 7/31/2016 7:28:26 PM**5.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | TA: S:\mscc7wb03.01\Red Production\Red Record and Practice Journal\Art\07\mscc7_rpj_0701_18.eps,11/5/2012 10:22:53 AM replaced: 7/31/2016 7:28:26 PM**6.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_X = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

 7. A tree is leaning toward the ground. How many degrees
does the tree have to fall before hitting the ground?