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

**3.1-3.2 Review QUIZ**

The “measure of $∠1$” is the same as “$m∠1.$”

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| 1. Use the figure to find the measures of $∠1 $and $∠2$.

|  |  |
| --- | --- |
|  | $$m∠1= \\_\\_\\_\\_\\_$$$$m∠2= \\_\\_\\_\\_\\_$$ |

 | 1. Use the figure to find measures of the numbered angles.

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| --- | --- |
|  | $$m∠1= \\_\\_\\_\\_\\_$$$$m∠2= \\_\\_\\_\\_\\_$$$$m∠3= \\_\\_\\_\\_\\_$$$$m∠4= \\_\\_\\_\\_\\_$$ |

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| 1. Determine whether each statement is true or false and explain the reason.

1. If $m∠1=60°$, then the measure of

$m∠5=120°$. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_1. If $m∠6=37°$, then the measure of

$m∠2=37°$. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Describe the relationship between each pair of angles. (corresponding, alternate interior, alternate exterior, vertical, or no relationship)

1. $∠2=∠6$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. $∠4=∠1$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. $∠3=∠6$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. $∠2=∠5$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. $∠1=∠8$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
 |
| 1. Find the value of x.

 x = \_\_\_\_\_\_\_\_\_\_\_\_ | 1. Find the value of x.

x = \_\_\_\_\_\_\_\_\_\_\_\_ |

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| 1. Find the measure of the exterior angle.

The measure of the exterior angle is \_\_\_\_\_\_\_\_\_\_\_ | 1. Write an equation for the value of y in terms of x. Then solve the equation for x.

$$y°$$$$29°$$$$x°$$y = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. The figure shows a truss used in the construction of a building. The measure of $∠3$ is $25°$. Find the measure of $∠4$.

$$3$$$$4$$$$m∠4=\\_\\_\\_\\_\\_\\_\\_\\_\\_\\_$$ | 1. Find the angle x (in degrees) that the wheelchair ramp makes with the ground.

$$76°$$ x = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |