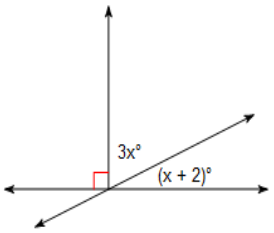
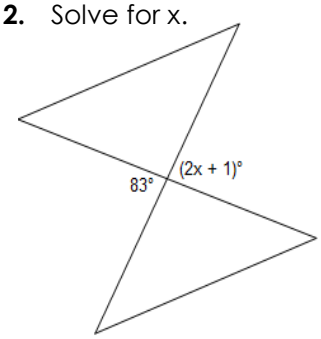
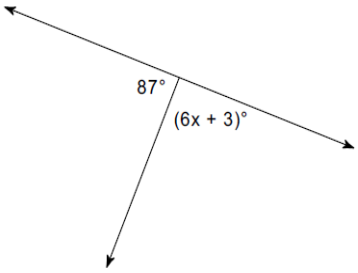
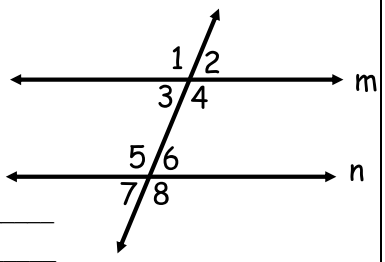
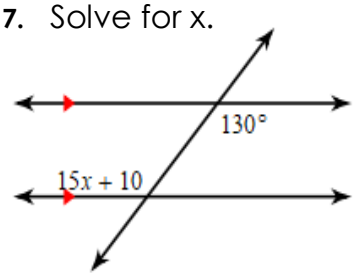
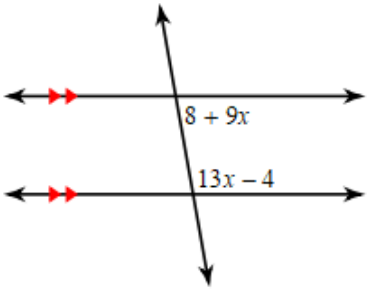
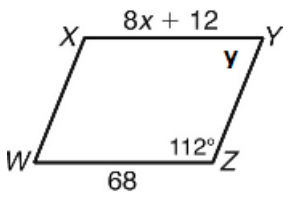
GSE Geometry Unit 1 – Angles and Parallelograms Test Review Grid

Name _____ Date _____

Use the following to review for you test. Work the Practice Problems on a separate sheet of paper.

What you need to know & be able to do	Things to remember	Problem	Problem
Solving for Missing Angles	Linear Pair ___+ ___ = 180° Supplementary Angles ___+ ___ = 180° Complementary Angles ___+ ___ = 90° Vertical Angles ___ = ___ Angle Addition Postulate	**1.** Solve for x.  **2.** Solve for x.  	**3.**  **4.** One of two supplementary angles is 98° greater than its supplement. Find the measure of both angles. **5.** ∠1 and ∠2 are complementary angles. Solve for x and the measure of both angles. $\angle 1 = 7x + 20$ $\angle 2 = 17x - 2$
Parallel Lines	**Supplementary:** **____ + ____ = 180°** • Linear Pairs • Consecutive Interior Angles **Congruent:** **_____ = _____** • Vertical Angles • Corresponding Angles • Alternate Interior Angles • Alternate Exterior Angles	**6.** Given $m \parallel n$, $m\angle 8 = 123°$, find the measures of all the numbered angles in the figure.  m∠1 = ____, m∠2 = _____, m∠3 = _____ _____ _____ _____ m∠4 = ____, m∠5 = _____, m∠6 = _____, m∠7 = _____ _____ _____ _____ _____ **7.** Solve for x.  	**8.** 

<table>
<tr>
<td rowspan="2">Properties of Parallelograms</td>
<td rowspan="2">• Opposites angles are congruent
• Consecutive angles are supplementary
• Opposite sides are equal
• Diagonals bisect each other</td>
<td>9. Find x and y.
 
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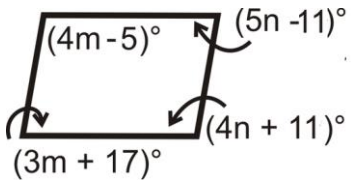
<td>10. Find m and n.
 
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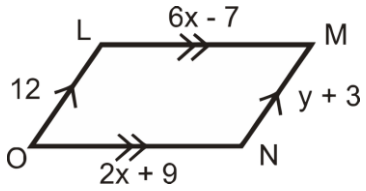
<td>11. Find x and y.
 
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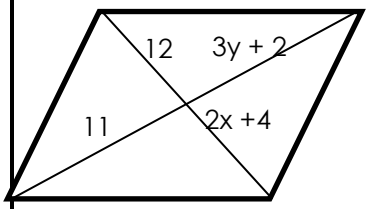
<td>12. Find x and y.
 
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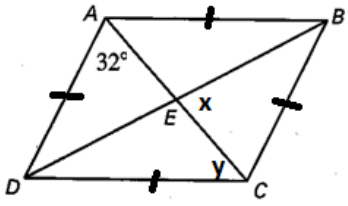
<tr>
<td>Special Parallelograms</td>
<td>• A rectangle is a parallelogram with 4 right angles,
• A rhombus is a parallelogram with 4 congruent sides.
• A square is a rectangle and rhombus</td>
<td>13. Find x and y.
 
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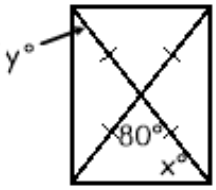
<td>14. Find x and y.
 
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<tr>
<td>Sometimes, Always, Never</td>
<td>Look at your graphic organizer!</td>
<td>15. A square is a rectangle.
16. A quadrilateral is a parallelogram.</td>
<td>17. A kite is a parallelogram.
18. A rhombus is a rectangle.</td>
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