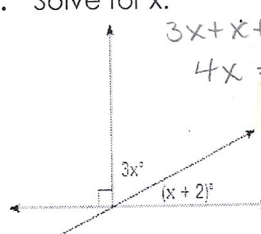
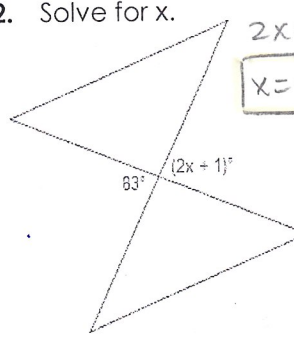
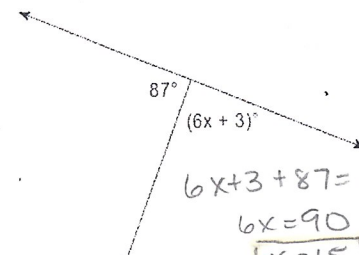
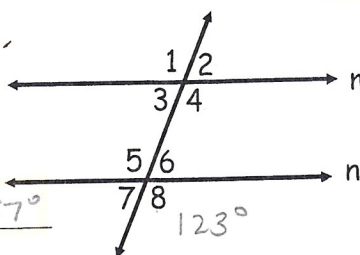
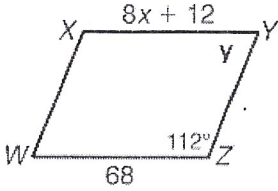
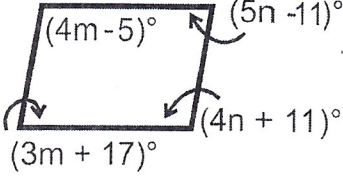
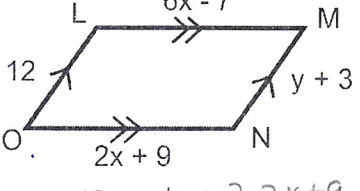
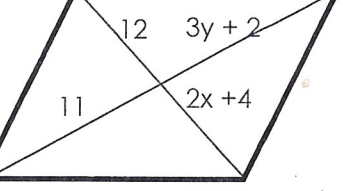
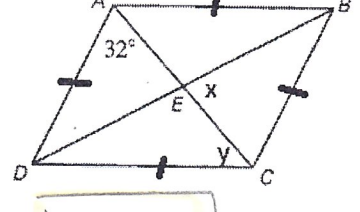
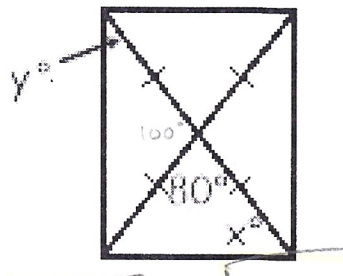


Name _____

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
<p>Solving for Missing Angles</p>	<p>Linear Pair $\underline{\quad} + \underline{\quad} = 180^\circ$</p> <p>Supplementary Angles $\underline{\quad} + \underline{\quad} = 180^\circ$</p> <p>Complementary Angles $\underline{\quad} + \underline{\quad} = 90^\circ$</p> <p>Vertical Angles $\underline{\quad} = \underline{\quad}$</p> <p>Angle Addition Postulate</p>	<p>1. Solve for x.</p>  <p>$3x + x + 2 = 90^\circ$ $4x = 88$ $x = 22$</p> <p>2. Solve for x.</p>  <p>$2x + 1 = 83$ $2x = 82$ $x = 41$</p>	<p>3.</p>  <p>$87^\circ + (6x + 3)^\circ + (6x + 3)^\circ = 180^\circ$ $6x + 3 + 87 = 180$ $6x = 90$ $x = 15$</p> <p>4. One of two supplementary angles is 98° greater than its supplement. Find the measure of both angles.</p> <p>$x + x + 98 = 180$ $2x = 82$ $x = 41$</p> <p>$\angle 1 = 41^\circ$ $\angle 2 = 139^\circ$</p> <p>5. $\angle 1$ and $\angle 2$ are complementary angles. Solve for x and the measure of both angles.</p> <p>$\angle 1 = 7x + 20 = 41^\circ$ $\angle 2 = 17x - 2 = 49^\circ$</p> <p>$7x + 20 + 17x - 2 = 90$ $24x + 18 = 90$ $24x = 72$ $x = 3$</p>
	<p>Parallel Lines</p>	<p>Supplementary: $\underline{\quad} + \underline{\quad} = 180^\circ$</p> <ul style="list-style-type: none"> • Linear Pairs • Consecutive Interior Angles <p>Congruent: $\underline{\quad} = \underline{\quad}$</p> <ul style="list-style-type: none"> • Vertical Angles • Corresponding Angles • Alternate Interior Angles • Alternate Exterior Angles 	<p>6. Given $m \parallel n$, $m\angle 8 = 123^\circ$, find the measures of all the numbered angles in the figure.</p>  <p>$m\angle 1 = 123^\circ$, $m\angle 2 = 57^\circ$, $m\angle 3 = 57^\circ$ alt. ext. ss ext.</p> <p>$m\angle 4 = 123^\circ$, $m\angle 5 = 123^\circ$, $m\angle 6 = 57^\circ$, $m\angle 7 = 57^\circ$ corr. L's vert. L's supp. supp.</p>

<p>Properties of Parallelograms</p> <ul style="list-style-type: none"> • Opposite angles are congruent • Consecutive angles are supplementary • Opposite sides are equal • Diagonals bisect each other 		<p>9. Find x and y.</p>  <p> $8x + 12 = 68$ $8x = 80$ $x = 10$ </p> <p> $y + 112 = 180$ $y = 68$ </p>	<p>10. Find m and n.</p>  <p> $4m - 5 + 3m + 17 = 180$ $7m + 12 = 180$ $7m = 168$ $m = 24$ </p> <p> $5n - 11 + 4n + 11 = 180$ $9n = 180$ $n = 20$ </p>
		<p>11. Find x and y.</p>  <p> $y + 3 = 12$ $y = 9$ </p> <p> $6x - 7 = 2x + 9$ $4x = 16$ $x = 4$ </p>	<p>12. Find x and y.</p>  <p> $3y + 2 = 11$ $3y = 9$ $y = 3$ </p> <p> $2x + 4 = 12$ $2x = 8$ $x = 4$ </p>
<p>Special Parallelograms</p> <ul style="list-style-type: none"> • 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 		<p>13. Find x and y.</p>  <p> $x = 90$ </p>	<p>14. Find x and y.</p>  <p> $y = 40$ </p> <p> $x = 50$ </p>
<p>Sometimes, Always, Never</p>		<p>15. A square is a rectangle. <u>always</u></p> <p>16. A quadrilateral is a parallelogram. <u>Sometimes</u></p> <p>17. A kite is a parallelogram. <u>never</u></p> <p>18. A rhombus is a rectangle. <u>never</u></p>	