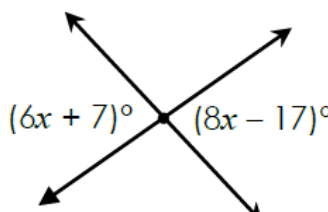
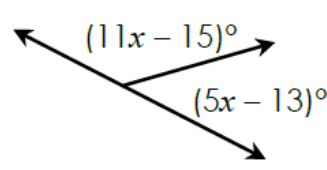
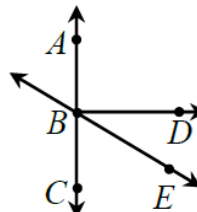
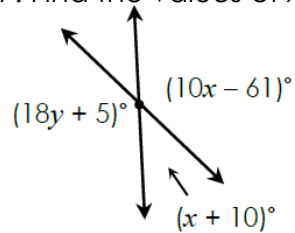
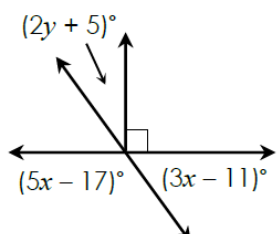


Name _____

Regular→ Ch. 1 Geometry Basics

Date _____ Period _____

1.5 Angle Pairs

<p>1. $\angle 1$ and $\angle 2$ form a linear pair. If $m\angle 1 = (5x + 9)^\circ$ and $m\angle 2 = (3x + 11)^\circ$, find the measure of each angle.</p>	<p>2. $\angle 1$ and $\angle 2$ are vertical angles. If $m\angle 1 = (17x + 1)^\circ$ and $m\angle 2 = (20x - 14)^\circ$, find $m\angle 2$.</p>
<p>3. $\angle K$ and $\angle L$ are complementary angles. If $m\angle K = (3x + 3)^\circ$ and $m\angle L = (10x - 4)^\circ$, find the measure of each angle.</p>	<p>4. Find the value of x.</p> 
<p>5. Find the value of x.</p> 	<p>6. If $\overline{BD} \perp \overline{AC}$, $m\angle DBE = (2x - 1)^\circ$, and $m\angle CBE = (5x - 42)^\circ$, find the value of x.</p> 
<p>7. Find the values of x and y.</p> 	
<p>8. Find the values of x and y.</p> 	
<p>9. If \overline{NP} bisects $\angle MNQ$, $m\angle MNQ = (8x + 12)^\circ$, $m\angle PNQ = 78^\circ$, and $m\angle RNM = (3y - 9)^\circ$, find the values of x and y.</p> 