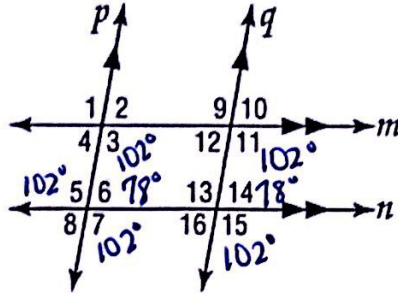
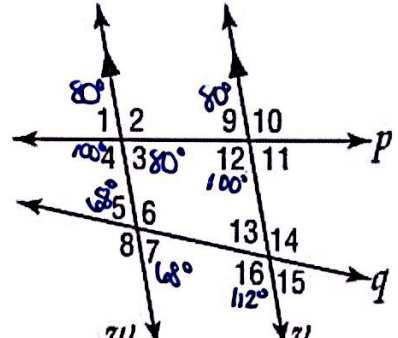


Day 5 - Review of Parallel Line Relationships Practice

Name: Key

Directions: Use the figure at the right to answer the following questions:

<p>1. Classify the following angles:</p> <p>a. $\angle 9$ and $\angle 13$ Corresponding</p> <p>b. $\angle 8$ and $\angle 6$ vertical</p> <p>c. $\angle 1$ and $\angle 7$ alternate exterior</p> <p>d. $\angle 12$ and $\angle 13$ same side interior</p> <p>e. $\angle 15$ and $\angle 16$ linear pair</p> <p>f. $\angle 2$ and $\angle 12$ alternate interior</p>	<p>2. Given that $m\angle 3 = 102^\circ$, determine the measure of the following angles and name the relationship you used.</p> <p>a. $\angle 5 = 102^\circ$ alternate interior w/ $\angle 3$</p> <p>b. $\angle 6 = 78^\circ$ same side interior w/ $\angle 3$</p> <p>c. $\angle 11 = 102^\circ$ corresponding w/ $\angle 3$</p> <p>d. $\angle 7 = 102^\circ$ corresponding w/ $\angle 3$</p> <p>e. $\angle 15$ corresponding w/ $\angle 7$ or $\angle 11$</p> <p>f. $\angle 14$ corresponding w/ $\angle 6$ linear pair w/ $\angle 15$</p>	<p>answers may vary</p> 
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<p>3. Classify the following angles:</p> <p>a. $\angle 12$ and $\angle 11$ linear pair</p> <p>b. $\angle 3$ and $\angle 12$ same side interior</p> <p>c. $\angle 1$ and $\angle 5$ corresponding</p> <p>d. $\angle 2$ and $\angle 8$ alternate exterior</p> <p>e. $\angle 11$ and $\angle 13$ alternate interior</p> <p>f. $\angle 1$ and $\angle 10$ same side exterior</p>	<p>4. Given that $m\angle 9 = 80^\circ$ and $m\angle 5 = 68^\circ$, determine the measure of the following angles and name the relationship you used.</p> <p>a. $\angle 12 = 100^\circ$ linear pair w/ $\angle 9$</p> <p>b. $\angle 1 = 80^\circ$ corresponding w/ $\angle 9$</p> <p>c. $\angle 4 = 100^\circ$ linear pair w/ $\angle 1$</p> <p>d. $\angle 3 = 80^\circ$ vertical angle w/ $\angle 1$</p> <p>e. $\angle 7 = 68^\circ$ vertical angle w/ $\angle 5$</p> <p>f. $\angle 16 = 112^\circ$ same side interior w/ $\angle 7$</p>	<p>$m\angle 5 = 68^\circ$</p> 
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answers may vary