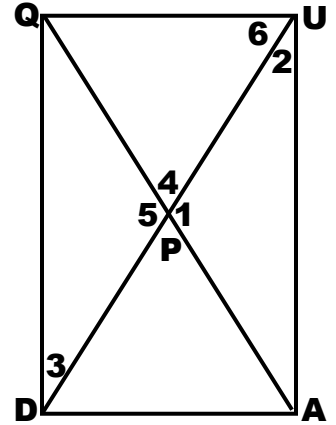


NAME _____ DATE _____ PER. _____

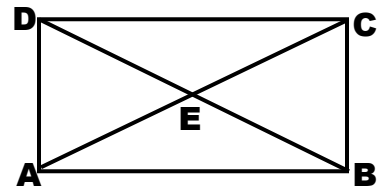
RECTANGLES

Quadrilateral QUAD is a rectangle.

<p>1. _____</p>	<p>Find DU, if $DP = 4x + 1$ and $QP = x + 13$.</p>
<p>2. _____</p>	<p>Find $m\angle ADU$ if $m\angle 2 = (13x)^\circ$ and $m\angle 3 = (16x - 12)^\circ$.</p>
<p>3. _____</p>	<p>Find $m\angle 2$ if $m\angle 2 = (70 - 4x)^\circ$ and $m\angle 6 = (18x - 8)^\circ$.</p>

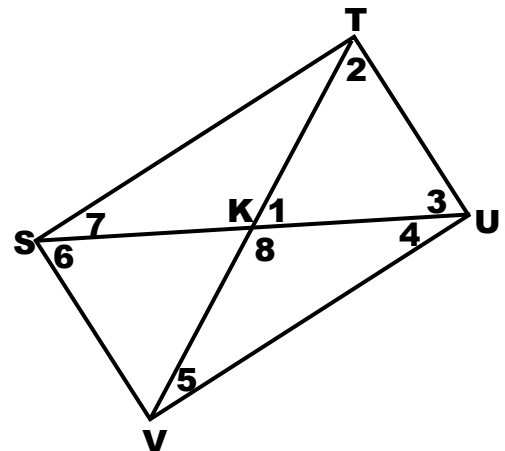


<p>4. _____</p>	<p>Quadrilateral ABCD is a rectangle. Find $m\angle CAB$ if $m\angle DAC = (4x + 8)^\circ$ and $m\angle CAB = (5x - 8)^\circ$.</p>
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Use rectangle STUV to answer 5 – 8.

<p>5. $m\angle 3 =$ _____</p>	<p>If $m\angle 4 = 30^\circ$, find $m\angle 3$.</p>
<p>6. $m\angle 4 =$ _____</p>	<p>$m\angle 6 = 57^\circ$, find $m\angle 4$?</p>



7. $m\angle 1 =$ _____	If $m\angle 8 = 133^\circ$, find $m\angle 1$.
8. $m\angle 2 =$ _____	If $m\angle 5 = 16^\circ$, find $m\angle 2$.

Use the figure below for problems 9 – 12.

9. _____	Find Y to form rectangle WXYZ.	
10. _____	Find the equation of the diagonal through W.	
11. _____	Find the equation of the diagonal through Z.	
12. _____	What is the length of each diagonal? (Write in simplest form.)	

A RECTANGLE has all of the 5 Properties of a Parallelogram that you wrote yesterday. In addition, it has 2 more important Properties. Name these 2 additional Properties.

1.) _____

2.) _____