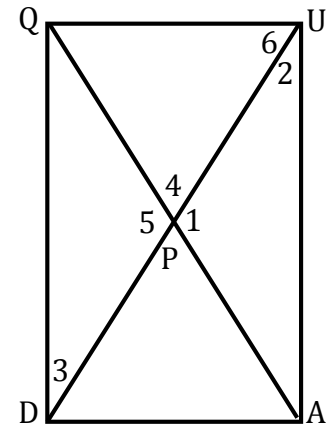


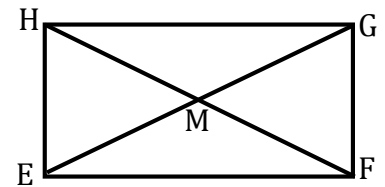
7.4 – RECTANGLES

Quadrilateral QUAD is a rectangle. Find the value of 'x'.

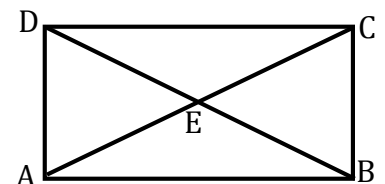
1. $x =$ _____	$DU = 26, QP = 2x + 7$
2. $x =$ _____	$m\angle 2 = 52^\circ, m\angle 3 = (16x - 12)^\circ$
3. $x =$ _____	$DP = 4x + 1, QP = x + 13$
4. $x =$ _____	$m\angle 2 = (70 - 4x)^\circ, m\angle 6 = (18x - 8)^\circ$



5. $x =$ _____	<p>Quadrilateral EFGH is a rectangle. If $EM = 5x + 1$ and $HF = 42$, find the value of 'x'.</p>
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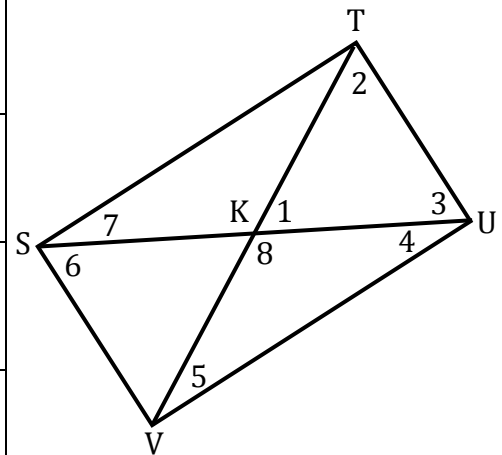


6. $x =$ _____	<p>Quadrilateral ABCD is a rectangle. Find the value of 'x' if $m\angle DAC = (4x + 8)^\circ$ and $m\angle CAB = (5x - 8)^\circ$.</p>
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Use rectangle STUV and the given information to find each measure.

7. $m\angle 3 =$ _____	If $m\angle 4 = 30^\circ$, find $m\angle 3$.
8. $m\angle 4 =$ _____	If $m\angle 6 = 57^\circ$, what is $m\angle 4$?
9. $m\angle 1 =$ _____	If $m\angle 8 = 133^\circ$, find $m\angle 1$.
10. $m\angle 2 =$ _____	If $m\angle 5 = 16^\circ$, what is $m\angle 2$?



Quadrilateral SURE is a rectangle. Find the indicated values.

11. $v =$ _____	$SR = 4v + 2$ and $EU = 6v - 8$. Find the value of ' v '.
12. $w =$ _____	$EC = 2w + 3$ and $CU = 3w - 1$. Find the value of ' w '.
13. $x =$ _____	$m\angle 1 = x^\circ$ and $m\angle 2 = (2x)^\circ$. Find the value of ' x '.
14. $y =$ _____	$UR = 6y - 7$ and $SE = 4y - 1$. Find the value of ' y '.
15. $z =$ _____	$m\angle 4 = (2z)^\circ$ and $m\angle 3 = (8z)^\circ$. Find the value of ' z '.

