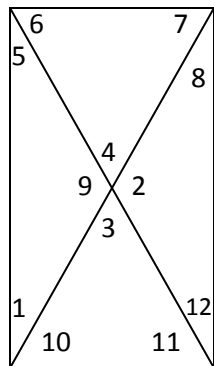


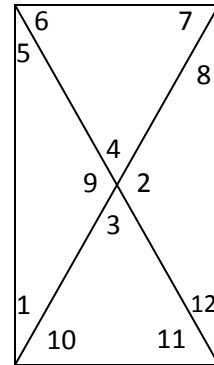
6-4 Rectangle Worksheet

Directions: Each figure below is a rectangle. Write the values that you find on the figure.

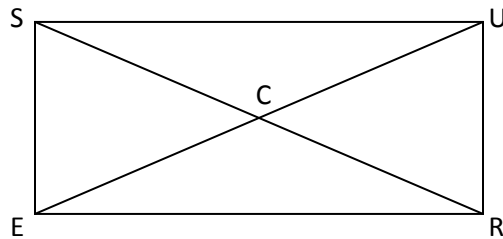
1. $m < 9 = 66^\circ$
 $m < 1 =$ _____
 $m < 2 =$ _____
 $m < 3 =$ _____
 $m < 4 =$ _____
 $m < 5 =$ _____
 $m < 6 =$ _____
 $m < 7 =$ _____
 $m < 8 =$ _____
 $m < 10 =$ _____
 $m < 11 =$ _____
 $m < 12 =$ _____



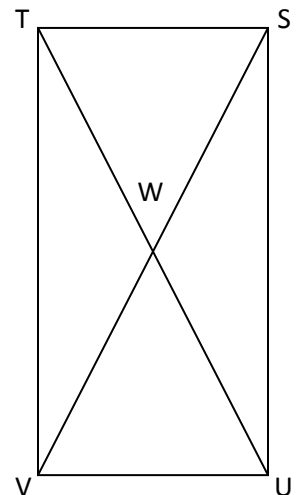
2. $m < 8 = 58^\circ$
 $m < 1 =$ _____
 $m < 2 =$ _____
 $m < 3 =$ _____
 $m < 4 =$ _____
 $m < 5 =$ _____
 $m < 6 =$ _____
 $m < 7 =$ _____
 $m < 9 =$ _____
 $m < 10 =$ _____
 $m < 11 =$ _____
 $m < 12 =$ _____



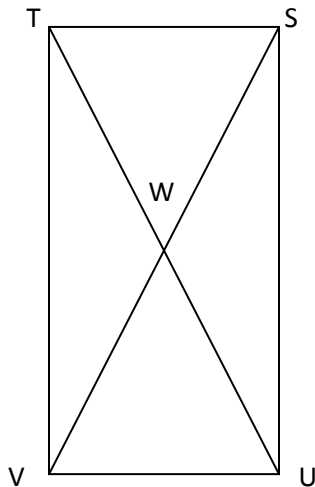
3. $SR = 8d + 6$
 $EU = 4d + 26$
 $d =$ _____
 $SR =$ _____
 $EU =$ _____



4. $VW = 3x + 6$
 $VS = 36$
 $x =$ _____
 $VW =$ _____
 $VS =$ _____



5. $ST = 8x + 5$
 $VU = 2x + 17$
 $x =$ _____
 $ST =$ _____
 $VU =$ _____



Quadrilateral $ABCD$ is a rectangle.

6. If $AE = 36$ and $CE = 2x - 4$, find x .

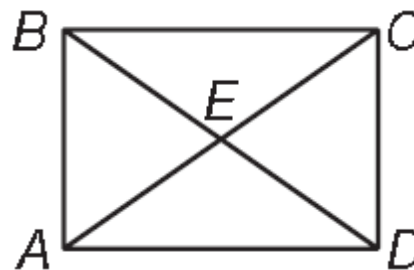
7. $BE = 6y + 2$ and $CE = 4y + 6$, find y .

8. If $BC = 24$ and $D = 5y - 1$, find y .

9. If $m \angle BEA = 62$, find $m \angle BAC$.

10. If $m \angle AED = 12x$ and $m \angle BEC = 10x + 20$, find $m \angle AED$.

11. If $BD = 8y - 4$ and $AC = 7y + 3$, find BD



Use this rectangle for problems 6-11