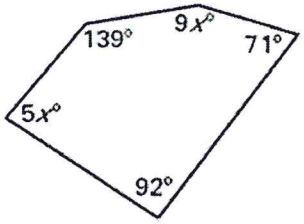
Apply Properties of Quadrilaterals Unit Review Name: Key Hour:_____

Find the value of x in the figure below.

Figure:



Solving For:

Relationship:

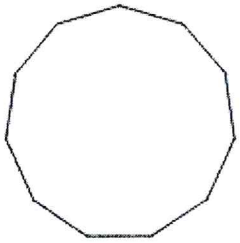
Equation:

Solve:

$x = 17$

Find the measure of one angle in the figure.

Figure:



Solving For:

Relationship:

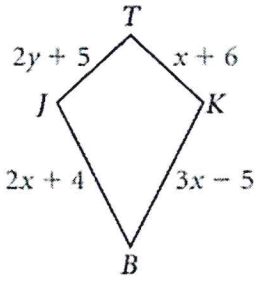
Equation:

Solve:

$147.273°$

Find JT from the given kite.

Figure:



Solving For:

Relationship:

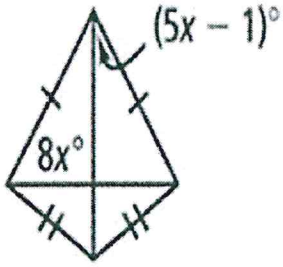
Equation:

Solve:

$JT = 15$

Find the value of x.

Figure:



Solving For:

Relationship:

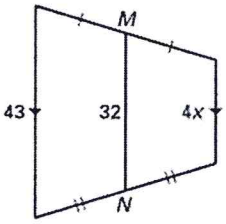
Equation:

Solve:

$x = 7$

Find the value of x.

Figure:



Solving For:

Relationship:

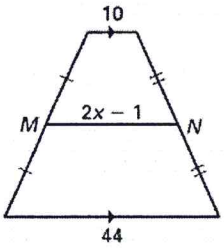
Equation:

Solve:

$x = 5.25$

Find the value of x.

Figure:



Solving For:

Relationship:

Equation:

Solve:

$x = 14$

Apply Properties of Quadrilaterals Unit Review Name:_____ Hour:_____

Find YX.

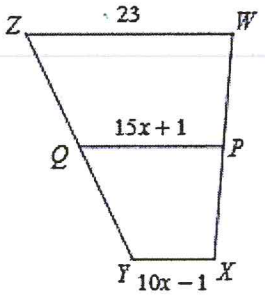


Figure:

Solving For:

Relationship:

Equation:

Solve:

YX = 9

Find QP.

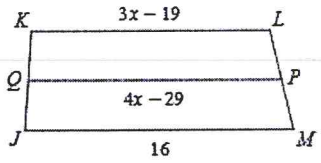


Figure:

Solving For:

Relationship:

Equation:

Solve:

QP = 15

Find m<V.

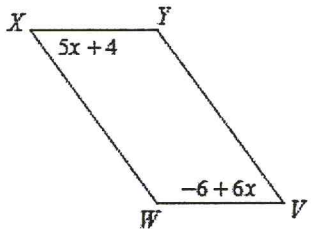


Figure:

Solving For:

Relationship:

Equation:

Solve:

m∠V = 54°

Find m<Q.

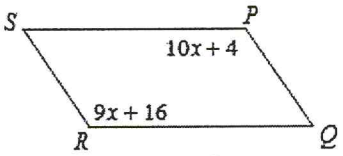


Figure:

Solving For:

Relationship:

Equation:

Solve:

m∠Q = 56°

Find VW.

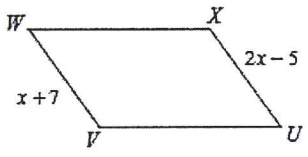


Figure:

Solving For:

Relationship:

Equation:

Solve:

VW = 19

Find XP.

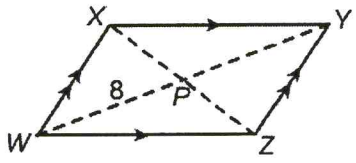


Figure:

Solving For:

$XZ = 7x + 1$ and $PZ = 4x - 1$

Relationship:

Equation:

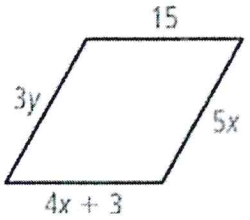
Solve:

XP = 11

Apply Properties of Quadrilaterals Unit Review Name:_____ Hour:_____

Find y in the given parallelogram.

Figure:



Solving For:

Relationship:

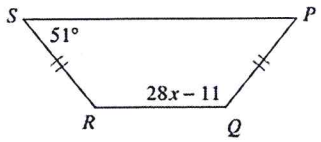
Equation:

Solve:

$y = 5$

Find x.

Figure:



Solving For:

Relationship:

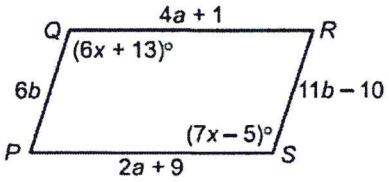
Equation:

Solve:

$x = 5$

Find PS.

Figure:



Solving For:

Relationship:

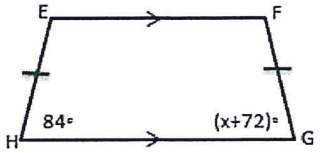
Equation:

Solve:

$PS = 17$

Find the value of x.

Figure:



Solving For:

Relationship:

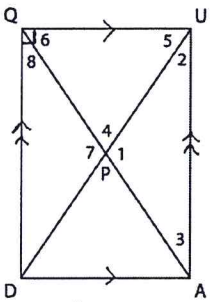
Equation:

Solve:

$x = 12$

Find PA.

Figure:



Solving For:

Relationship:

Equation:

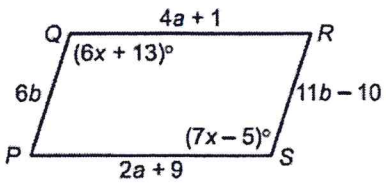
$DP = 4x + 1$ and $PA = x + 13$

Solve:

$PA = 17$

Find x.

Figure:



Solving For:

Relationship:

Equation:

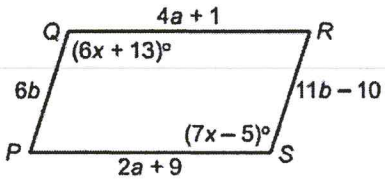
Solve:

$x = 18$

Apply Properties of Quadrilaterals Unit Review Name:_____ Hour:_____

Find QP.

Figure:



Solving For:

Relationship:

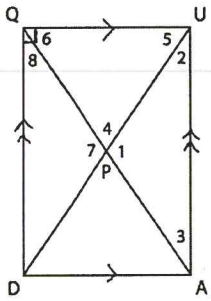
Equation:

Solve:

QP = 12

Find DU.

Figure:



Solving For:

Relationship:

Equation:

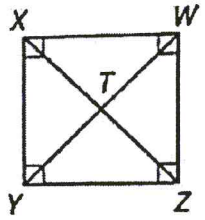
$DU = 5x - 4$ and $QP = 2x + 7$

Solve:

DU = 86

Find XZ given WT = 4x + 3 and YT = 7x - 6

Figure:



Solving For:

Relationship:

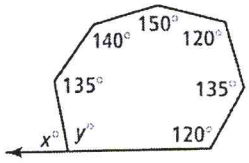
Equation:

Solve:

XZ = 30

Find the value of x.

Figure:



Solving For:

Relationship:

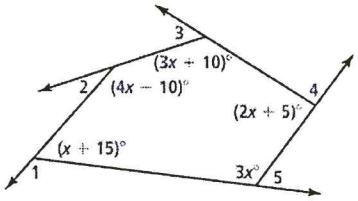
Equation:

Solve:

x = 80°

Find m<4.

Figure:



Solving For:

Relationship:

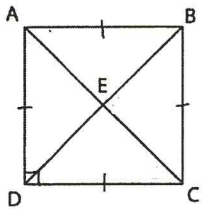
Equation:

Solve:

m∠4 = 95°

Find DC if AD = 3z + 7 and BC = 8z – 3.

Figure:



Solving For:

Relationship:

Equation:

Solve:

DC = 13