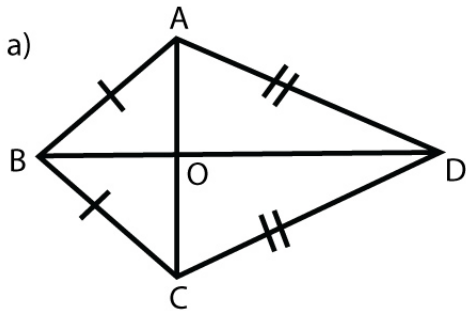


Name : _____

Score : _____ Date : _____

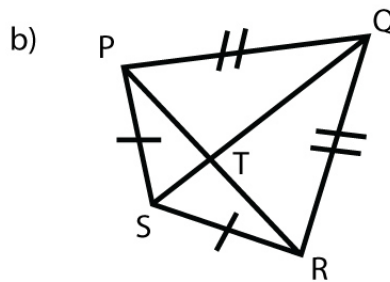
Properties of Kite and Trapezoid Worksheet

1 Find the missing angles in each of the kites.



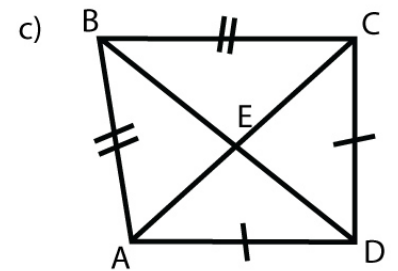
Given, $m\angle CBA = 86^\circ$, and
 $m\angle BCD = 56^\circ$

Find, $m\angle BAD =$ _____
 $m\angle ADC =$ _____



Given, $m\angle QRS = 104^\circ$, and
 $m\angle PSR = 49^\circ$

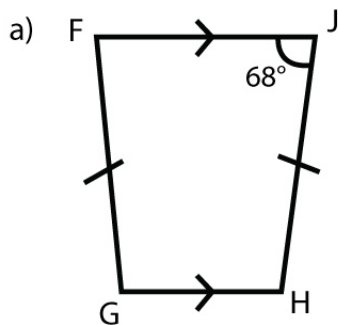
Find, $m\angle QPS =$ _____
 $m\angle RQP =$ _____



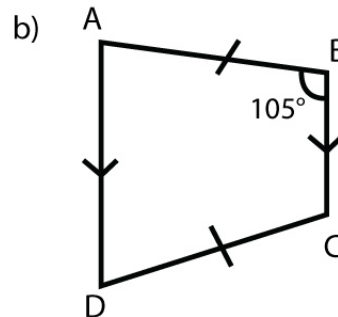
Given, $m\angle BCD = 98^\circ$, and
 $m\angle ADC = 47^\circ$,

Find, $m\angle DAB =$ _____
 $m\angle ABC =$ _____

2 Find the missing angles in each of the trapezoids.

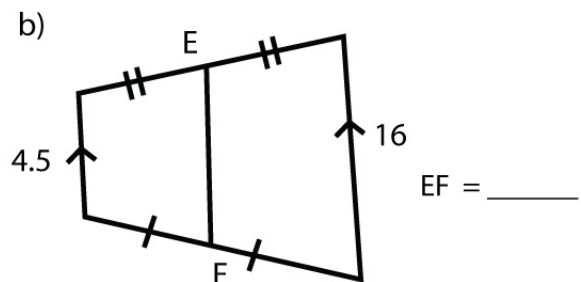
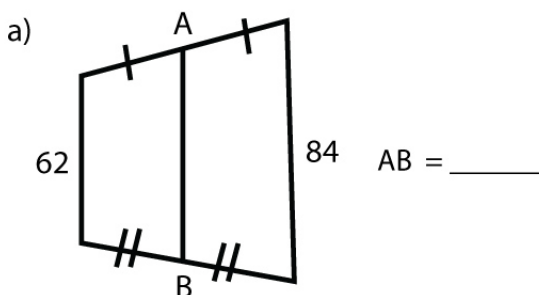


Find
 $\angle JFG =$ _____
 $\angle FGH =$ _____
 $\angle GHJ =$ _____



Find
 $\angle BAD =$ _____
 $\angle ADC =$ _____
 $\angle DCB =$ _____

3 Find the length of the midsegment of the trapezoid



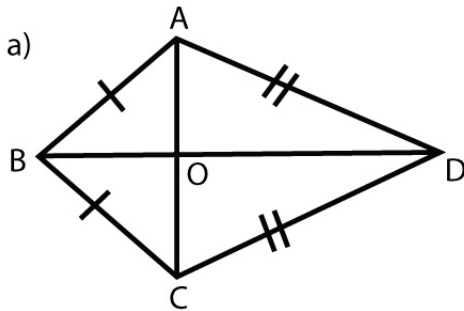
Name : _____

Score : _____ Date : _____

Properties of Kite and Trapezoid Worksheet

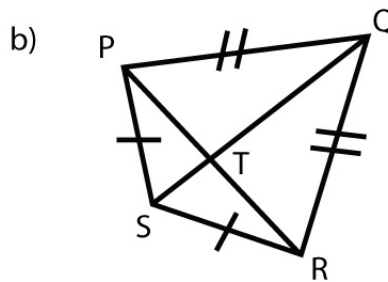
Answers

1 Find the missing angles in each of the kites.



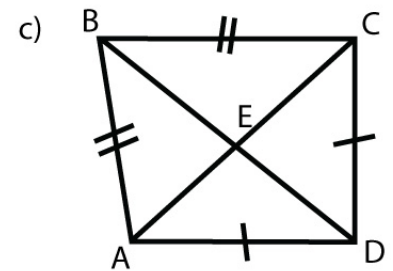
Given, $m\angle CBA = 86^\circ$, and
 $m\angle BCD = 56^\circ$

Find, $m\angle BAD = \underline{56^\circ}$
 $m\angle ADC = \underline{162^\circ}$



Given, $m\angle QRS = 104^\circ$, and
 $m\angle PSR = 49^\circ$

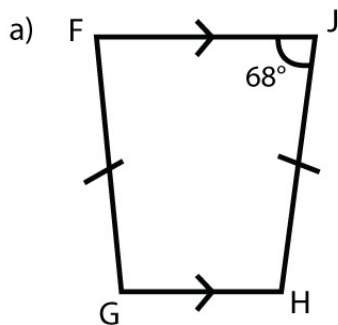
Find, $m\angle QPS = \underline{104^\circ}$
 $m\angle RQP = \underline{103^\circ}$



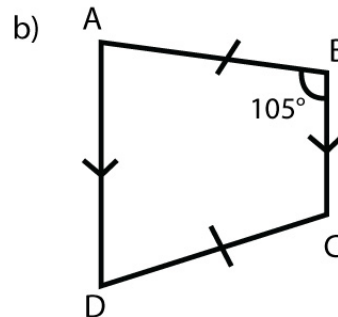
Given, $m\angle BCD = 98^\circ$, and
 $m\angle ADC = 47^\circ$,

Find, $m\angle DAB = \underline{98^\circ}$
 $m\angle ABC = \underline{117^\circ}$

2 Find the missing angles in each of the trapezoids.

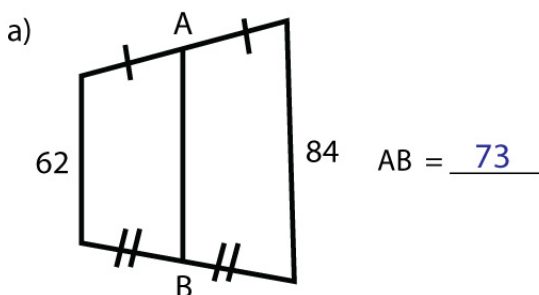


Find
 $\angle JFG = \underline{68^\circ}$
 $\angle FGH = \underline{112^\circ}$
 $\angle GHJ = \underline{112^\circ}$

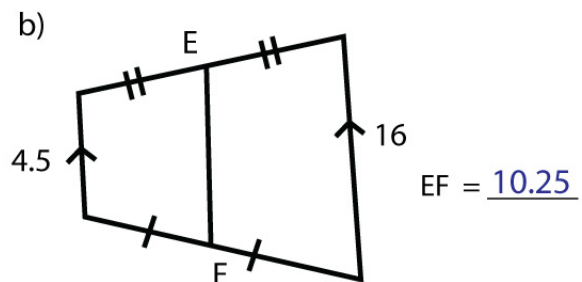


Find
 $\angle BAD = \underline{75^\circ}$
 $\angle ADC = \underline{75^\circ}$
 $\angle DCB = \underline{105^\circ}$

3 Find the length of the midsegment of the trapezoid



$AB = \underline{73}$



$EF = \underline{10.25}$