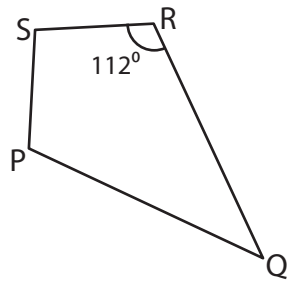
Name : _____

Kite - Angles

Sheet 3

A) Solve for x in each kite and find the measure of the indicated angle.

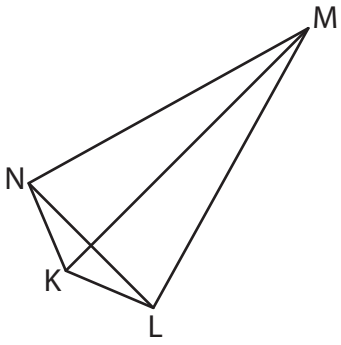
1)



$m\angle S = (7x - 86)^0$; $m\angle Q = (x + 14)^0$

x = _____ ; m

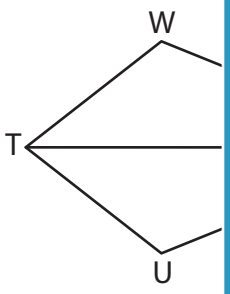
2)

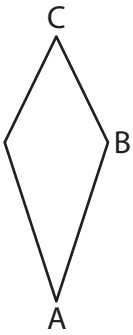


$m\angle KML = (-x + 3)^0$; $m\angle LNM = (-4 - 6x)^0$

_____ ; $m\angle M$ = _____

3)





$m\angle WTV = (2x)^0$; m

$8)^0$; $m\angle B = (-41 + 3x)^0$

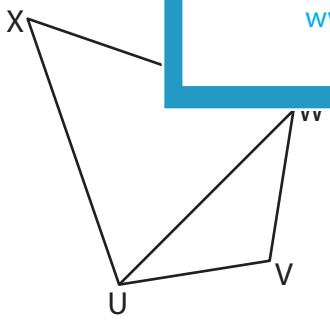
x = _____ ; m

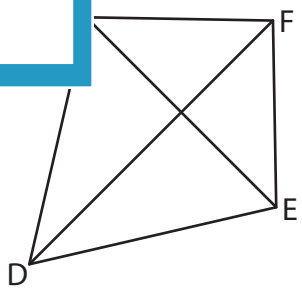
_____ ; $m\angle D$ = _____

B) Solve for x in each

ngles.

5)





$m\angle XUW = (-86 + 5x)^0$; $m\angle X = (82 - x)$

x = _____ ; $m\angle XWU$ = _____

$m\angle XUW$ = _____ ; $m\angle X$ = _____

$m\angle GDF = (8x)^0$; $m\angle DEG = (18 + 10x)^0$

x = _____ ; $m\angle FDG$ = _____

$m\angle EGD$ = _____ ; $m\angle FDE$ = _____

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

Name : _____

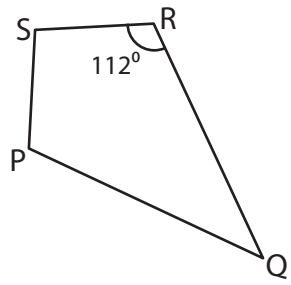
Answer key

Kite - Angles

Sheet 3

A) Solve for x in each kite and find the measure of the indicated angle.

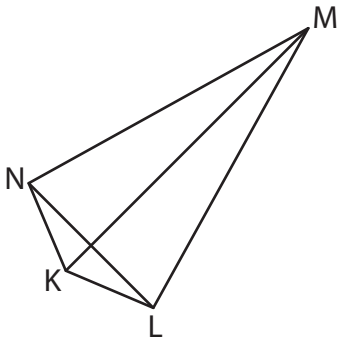
1)



$m\angle S = (7x - 86)^0$; $m\angle Q = (x + 14)^0$

$x =$ **26** ; m

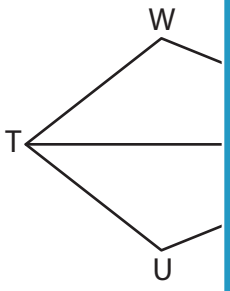
2)

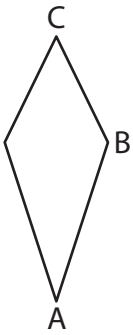


$m\angle KML = (-x + 3)^0$; $m\angle LNM = (-4 - 6x)^0$

_ ; $m\angle M =$ **32°**

3)





$m\angle WTV = (2x)^0$; m

8)^0 ; $m\angle B = (-41 + 3x)^0$

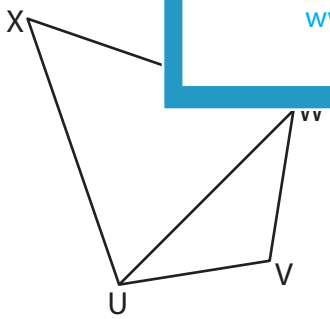
$x =$ **19** ; m

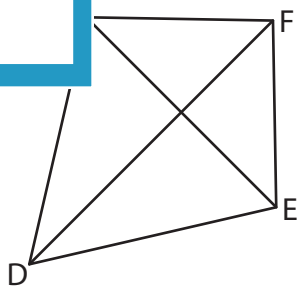
_ ; $m\angle D =$ **136°**

B) Solve for x in each

ngles.

5)





$m\angle XUW = (-86 + 5x)^0$; $m\angle X = (82 - x)$

$x =$ **30** ; $m\angle XWU =$ **64°**

$m\angle XUW =$ **64°** ; $m\angle X =$ **52°**

$m\angle GDF = (8x)^0$; $m\angle DEG = (18 + 10x)^0$

$x =$ **4** ; $m\angle FDG =$ **32°**

$m\angle EGD =$ **58°** ; $m\angle FDE =$ **32°**

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com