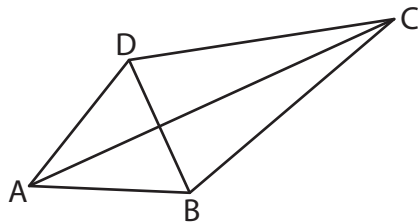


# Kite - Angles

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

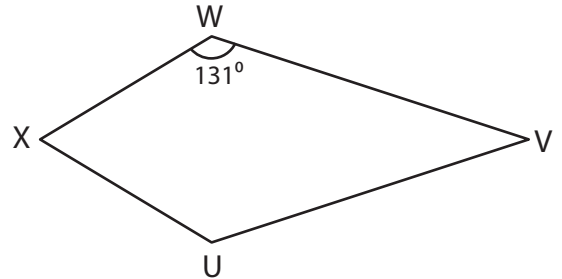
1)



$m\angle ABD = (-3x)^\circ$  ;  $m\angle DAC = (6 - x)^\circ$

$x = \underline{\hspace{2cm}}$  ;  $m\angle \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

2)



$m\angle X = (x + 21)^\circ$  ;  $m\angle V = (x - 5)^\circ$

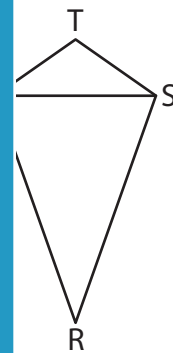
$m\angle U = \underline{\hspace{2cm}}$  ;  $m\angle X = \underline{\hspace{2cm}}$

3)



$m\angle M = (12 + 7x)^\circ$

$x = \underline{\hspace{2cm}}$  ;  $m\angle \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

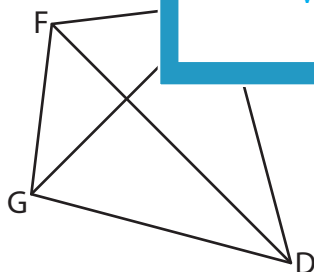


$m\angle R = 2x^\circ$  ;  $m\angle TSU = (32 - x)^\circ$

$m\angle TUS = \underline{\hspace{2cm}}$

B) Solve for  $x$  in each

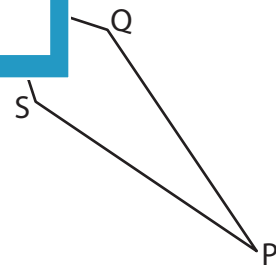
5)



$m\angle EGD = (3x + 9)^\circ$  ;  $m\angle FDE = (-55 + 5x)^\circ$

$x = \underline{\hspace{2cm}}$  ;  $m\angle GED = \underline{\hspace{2cm}}$

$m\angle FDG = \underline{\hspace{2cm}}$  ;  $m\angle D = \underline{\hspace{2cm}}$



$m\angle Q = (9x + 97)^\circ$  ;  $m\angle P = (57 - 7x)^\circ$

$x = \underline{\hspace{2cm}}$  ;  $m\angle S = \underline{\hspace{2cm}}$

$m\angle R = \underline{\hspace{2cm}}$  ;  $m\angle P = \underline{\hspace{2cm}}$

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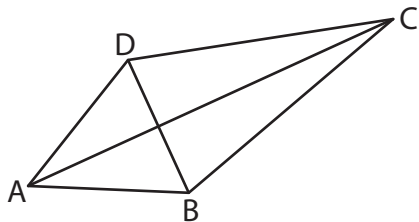
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**Kite - Angles**

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

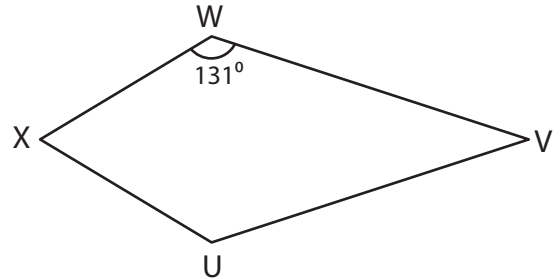
1)



$m\angle ABD = (-3x)^\circ$ ;  $m\angle DAC = (6 - x)^\circ$

$x = \underline{-21}$  ;  $m$

2)



$m\angle X = (x + 21)^\circ$ ;  $m\angle V = (x - 5)^\circ$

;  $m\angle X = \underline{62^\circ}$

3)



$m\angle M = (12 + 7x)^\circ$

$x = \underline{15}$  ;  $m$



$2x)^\circ$ ;  $m\angle TSU = (32 - x)^\circ$

;  $m\angle TUS = \underline{35^\circ}$

# PREVIEW

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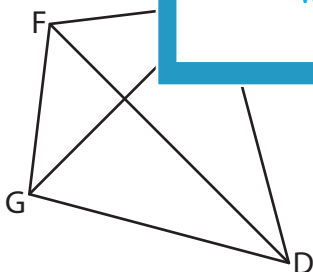
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B) Solve for  $x$  in each

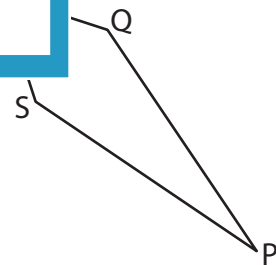
5)



$m\angle EGD = (3x + 9)^\circ$ ;  $m\angle FDE = (-55 + 5x)^\circ$

$x = \underline{17}$  ;  $m\angle GED = \underline{60^\circ}$

$m\angle FDG = \underline{30^\circ}$  ;  $m\angle D = \underline{60^\circ}$



$m\angle Q = (9x + 97)^\circ$ ;  $m\angle P = (57 - 7x)^\circ$

$x = \underline{5}$  ;  $m\angle S = \underline{142^\circ}$

$m\angle Q = \underline{142^\circ}$  ;  $m\angle P = \underline{22^\circ}$