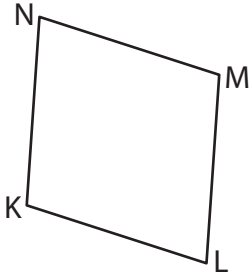


# Rhombus - Angles

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

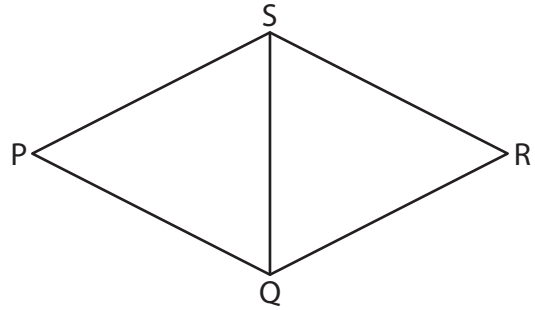
1)



$m\angle K = (x + 68)^\circ$ ;  $m\angle N = (2x + 4)^\circ$

$x = \underline{\hspace{2cm}}$ ;  $m\angle \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

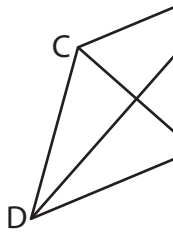
2)



$m\angle QSR = (-21 + 2x)^\circ$ ;  $m\angle PQS = (21 + x)^\circ$

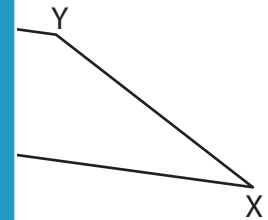
$m\angle QSR = \underline{\hspace{2cm}}$

3)



$m\angle ACB = (-8x)^\circ$ ;  $m\angle \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$ ;  $m\angle \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$



$m\angle Z = (x + 9)^\circ$

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

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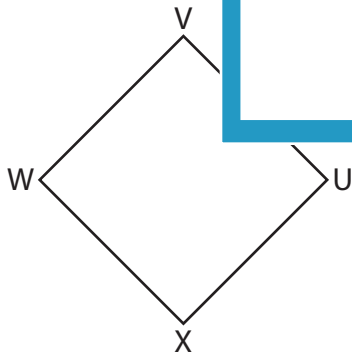
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B) Solve for  $x$  in each

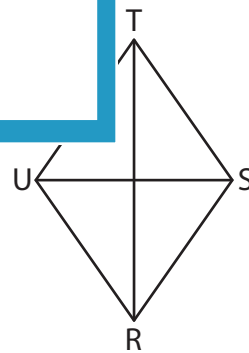
5)



$m\angle V = (30 + 5x)^\circ$ ;  $m\angle X = (9x - 18)^\circ$

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

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



$m\angle TUS = (x + 5)^\circ$ ;  $m\angle TRS = (x - 15)^\circ$

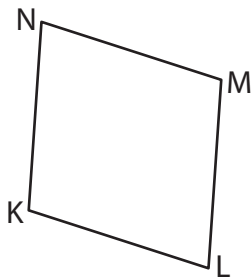
$x = \underline{\hspace{2cm}}$ ;  $m\angle USR = \underline{\hspace{2cm}}$

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

**Rhombus - Angles**

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

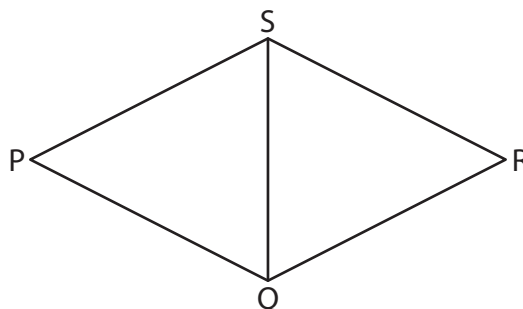
1)



$m\angle K = (x + 68)^\circ$ ;  $m\angle N = (2x + 4)^\circ$

$x = \underline{36}$  ;  $m\angle$

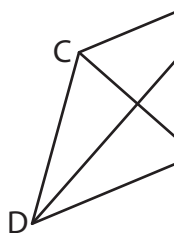
2)



$m\angle QSR = (-21 + 2x)^\circ$ ;  $m\angle PQS = (21 + x)^\circ$

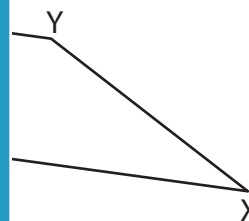
$m\angle QSR = \underline{63^\circ}$

3)



$m\angle ACB = (-8x)^\circ$ ;  $m\angle$

$x = \underline{-8}$  ;  $m\angle A$



$m\angle Z = (x + 9)^\circ$

$m\angle Z = \underline{30^\circ}$

**PREVIEW**

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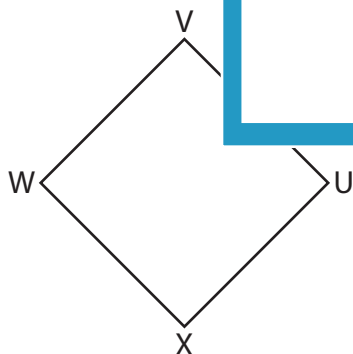
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B) Solve for  $x$  in each

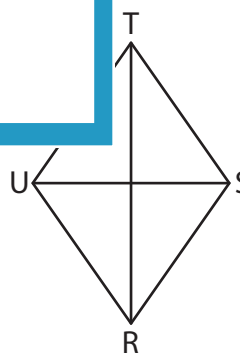
5)



$m\angle V = (30 + 5x)^\circ$ ;  $m\angle X = (9x - 18)$

$x = \underline{12}$  ;  $m\angle U = \underline{90^\circ}$

$m\angle W = \underline{90^\circ}$  ;  $m\angle X = \underline{90^\circ}$



$m\angle TUS = (x + 5)^\circ$ ;  $m\angle TRS = (x - 15)^\circ$

$x = \underline{50}$  ;  $m\angle USR = \underline{55^\circ}$

$m\angle TUS = \underline{55^\circ}$  ;  $m\angle R = \underline{70^\circ}$