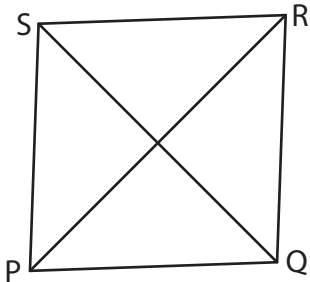


# Rhombus - Angles

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

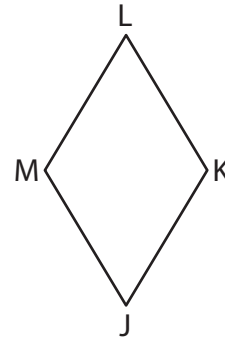
1)



$\angle RPQ = (1 + 7x)^\circ$ ;  $\angle PQS = (8x - 1)^\circ$

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

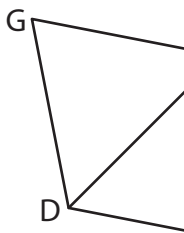
2)



$\angle M = (-6x + 10)^\circ$ ;  $\angle L = (8 - 3x)^\circ$

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

3)



$\angle FDE = (x + 2)^\circ$ ;  $\angle GDF = (2x - 1)^\circ$

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



$\angle C = (4x - 2)^\circ$ ;  $\angle B = (-3x)^\circ$

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

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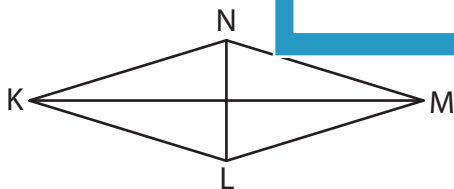
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B) Solve for  $x$  in each

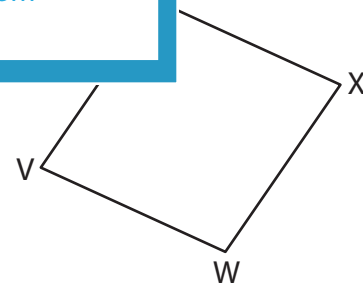
5)



$\angle LNM = (-2 + 3x)^\circ$ ;  $\angle KML = (x - 8)^\circ$

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

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



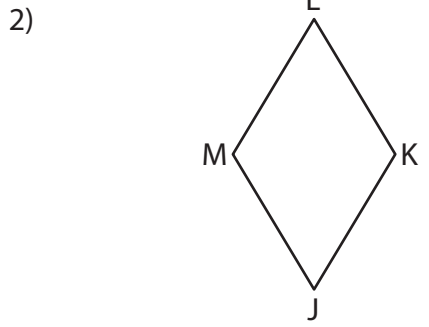
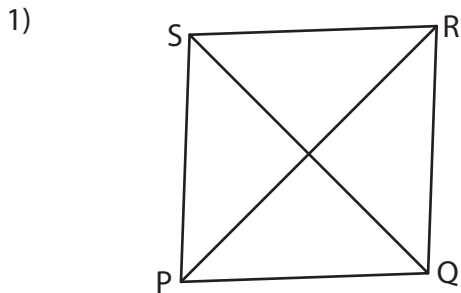
$\angle U = (2x + 8)^\circ$ ;  $\angle V = (x + 34)^\circ$

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

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

**Rhombus - Angles**

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

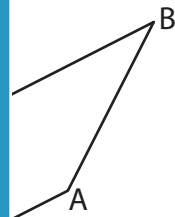
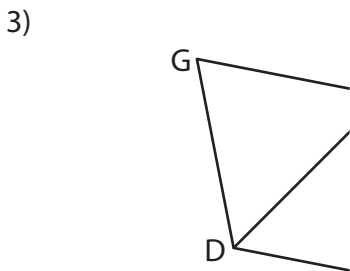


$\angle RPQ = (1 + 7x)^\circ$ ;  $\angle PQS = (8x - 1)^\circ$

$\angle M = (-6x + 10)^\circ$ ;  $\angle L = (8 - 3x)^\circ$

$x = \underline{6}$  ;  $m\angle PS$

$m\angle K = \underline{118^\circ}$



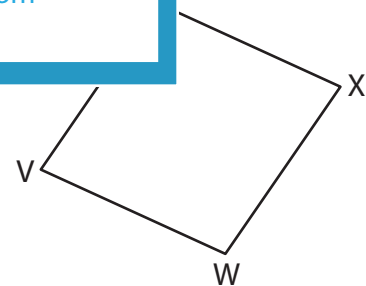
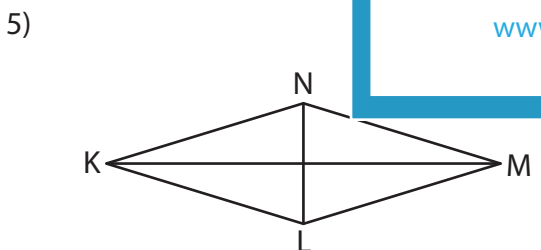
$\angle FDE = (x + 2)^\circ$ ;  $\angle GI$

$2)^\circ$ ;  $\angle B = (-3x)^\circ$

$x = \underline{54}$  ;  $m\angle EF$

$m\angle A = \underline{144^\circ}$

B) Solve for  $x$  in each



$\angle LNM = (-2 + 3x)^\circ$ ;  $\angle KML = (x - 8)^\circ$

$\angle U = (2x + 8)^\circ$ ;  $\angle V = (x + 34)^\circ$

$x = \underline{25}$  ;  $m\angle N = \underline{146^\circ}$

$x = \underline{46}$  ;  $m\angle V = \underline{80^\circ}$

$m\angle KLN = \underline{73^\circ}$  ;  $m\angle LKM = \underline{17^\circ}$

$m\angle W = \underline{100^\circ}$  ;  $m\angle X = \underline{80^\circ}$

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