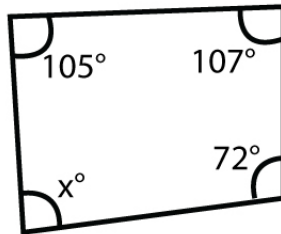


Name : \_\_\_\_\_

Score : \_\_\_\_\_ Date : \_\_\_\_\_

**Finding the Missing Angles in a Quadrilateral Worksheet**

Solved Example



Sum of the interior angles =  $360^\circ$

Sum of the interior angles =

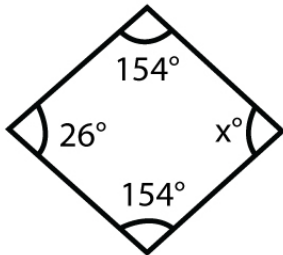
$105^\circ + 107^\circ + 72^\circ + x^\circ$

$360^\circ = 284^\circ + x^\circ$

$x^\circ = 76^\circ$

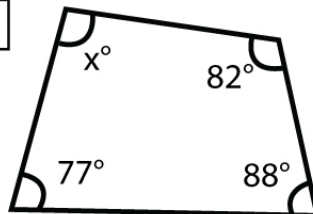
Find the unknown angle in each quadrilateral

1



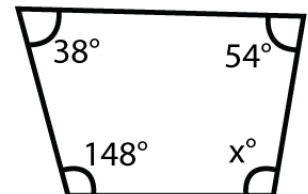
$x^\circ = \underline{\hspace{2cm}}$

2



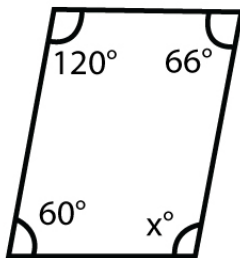
$x^\circ = \underline{\hspace{2cm}}$

3



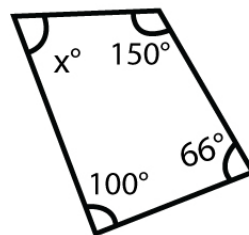
$x^\circ = \underline{\hspace{2cm}}$

4



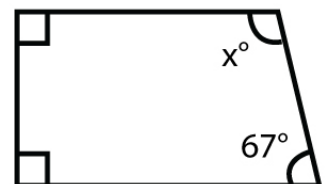
$x^\circ = \underline{\hspace{2cm}}$

5



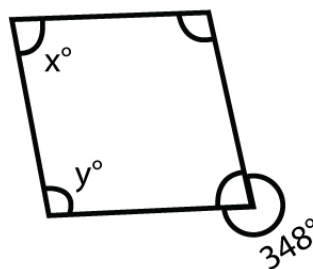
$x^\circ = \underline{\hspace{2cm}}$

6



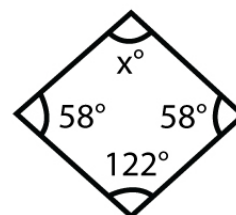
$x^\circ = \underline{\hspace{2cm}}$

7



$x^\circ = \underline{\hspace{2cm}}, y^\circ = \underline{\hspace{2cm}}$

8



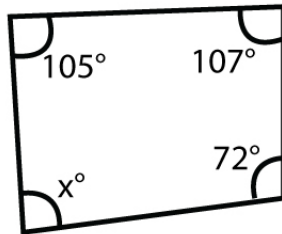
$x^\circ = \underline{\hspace{2cm}}$

Name : \_\_\_\_\_

Score : \_\_\_\_\_ Date : \_\_\_\_\_

**Finding the Missing Angles in a Quadrilateral Worksheet**

Solved Example



Sum of the interior angles =  $360^\circ$

Sum of the interior angles =

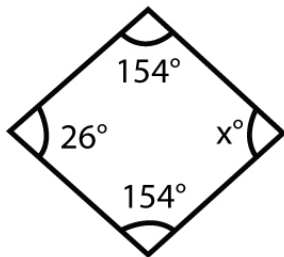
$105^\circ + 107^\circ + 72^\circ + x^\circ$

$360^\circ = 284^\circ + x^\circ$

$x^\circ = 76^\circ$

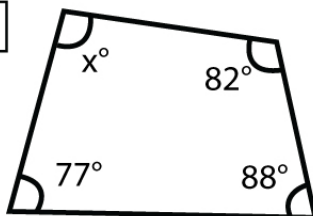
Answers

1



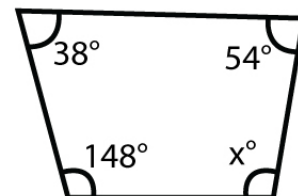
$x^\circ = 26^\circ$

2



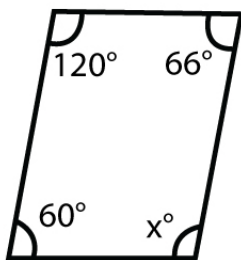
$x^\circ = 113^\circ$

3



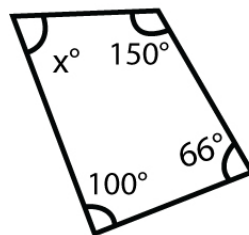
$x^\circ = 120^\circ$

4



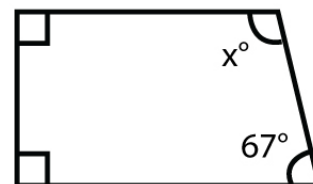
$x^\circ = 114^\circ$

5



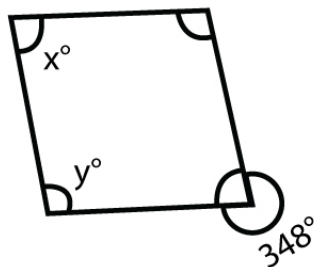
$x^\circ = 44^\circ$

6



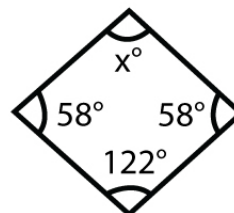
$x^\circ = 113^\circ$

7



$x^\circ = 12^\circ$ ,  $y^\circ = 168^\circ$

8



$x^\circ = 122^\circ$