

Name:		

Quadrilaterals Chart

G-QUAD 1 **Instructions:** Complete this quadrilaterals chart by filling in the blanks next to each number. The small arrow symbols on the edges of the quadrilaterals show you pairs of parallel sides. No Parallel Sides One Pair of Parallel Sides Two Pairs of Parallel Sides Equal Sides Equal Angles Equal Sides AND Angles



Name:		
Date:		

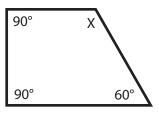
Classifying Quadrilaterals

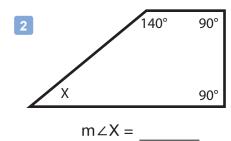
answers because more than one term may apply to also technically a parallelogram.	
Square Quadrilateral Trapezoid Parallelogram	Triangle Trapezoid Rhombus Quadrilateral
Parallelogram Trapezoid Rectangle Quadrilateral	Rectangle Quadrilateral Rhombus Parallelogram
Parallelogram Rhombus Square Rectangle	Trapezoid Quadrilateral Rhombus Parallelogram
Square Rhombus Rectangle Parallelogram	Trapezoid Rhombus Parallelogram Square

Finding an Unknown Angle

G-QUAD 3

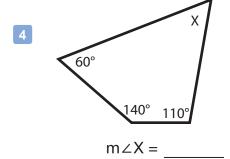
Instructions: For each quadrilateral, find the unknown angle (X). Remember that the four interior angles must add up to a total of 360 degrees.



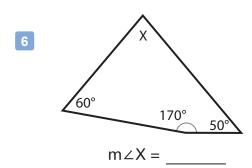


70° 110°

m∠X = _____



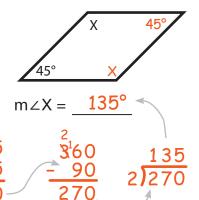
105° 75° m∠X = _____

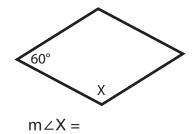


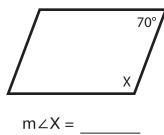
Finding an Unknown Angle in a Parallelogram

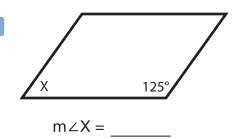
G-QUAD 4

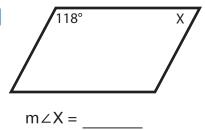
Instructions: For each parallelogram, find the unknown angle (X). Remember that the opposite angles in a parallelogram are equal, and that all four angles must add to a total of 360 degrees.

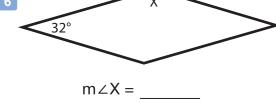














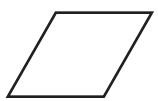
Name:		

Quadrilaterals

What do we call a quadrilateral that has **two** pairs of parallel sides?

What do we call a quadrilateral that has only **one** pair of parallel sides?

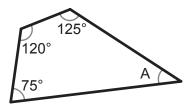
This parallelogram has 4 equal sides, but not 4 equal angles. What is its name?



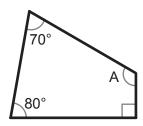
This parallelogram has 4 equal angles, but not 4 equal sides. What is its name?



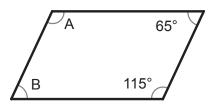
Find the unknown angle A.



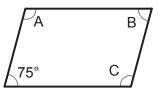
Find the unknown angle A.



Find the unknown angles A and B, in this parallelogram.



Find angle A in this parallelogram.





Name:		

Quadrilaterals Chart

G-QUAD 1 **Instructions:** Complete this quadrilaterals chart by filling in the blanks next to each number. The small arrow symbols on the edges of the quadrilaterals show you pairs of parallel sides. No Parallel Sides Quadrilateral One Pair of Parallel Sides Two Pairs of Parallel Sides Trapezoid Parallelogram or Trapezium* Equal Sides Equal Angles Rhombus Rectangle Equal Sides AND Angles Square * see video for explination



Name:		
Date:		

Classifying Quadrilaterals

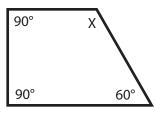
G-QUAD 2

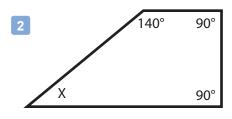
	adrilateral, check <u>each</u> box t n one term may apply to eac gram.		
Square Quadrilateral Trapezoid Parallelogram		Triangle ★ Trapezoid Rhombus ★ Quadrilateral	
Parallelogram ☐ Trapezoid ☐ Rectangle ☑ Quadrilateral		Rectangle Quadrilateral Rhombus Parallelogram	
▶ Parallelogram▶ Rhombus▶ Square▶ Rectangle		Trapezoid Quadrilateral Rhombus Parallelogram	
 ✓ Square ✓ Rhombus ✓ Rectangle ✓ Parallelogram 		Trapezoid Rhombus Parallelogram Square	

Finding an Unknown Angle

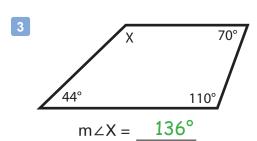
G-QUAD 3

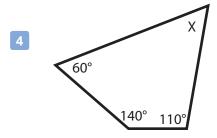
Instructions: For each quadrilateral, find the unknown angle (X). Remember that the four interior angles must add up to a total of 360 degrees.



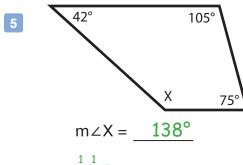


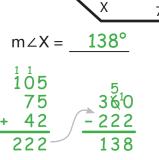
$$m \angle X = \underline{\begin{array}{c} 40^{\circ} \\ 140 \\ 90 \\ +90 \\ \hline 320 \\ \end{array}}$$

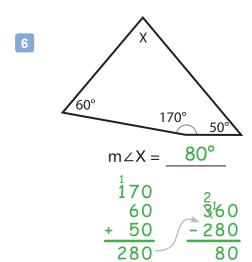




$$m \angle X = \underline{\begin{array}{c} 50^{\circ} \\ 140 \\ 110 \\ + 60 \\ \hline 310 \\ \end{array}}$$



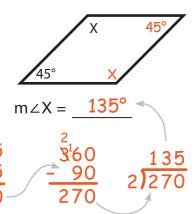


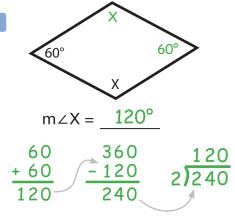


Finding an Unknown Angle in a Parallelogram

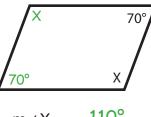
G-QUAD 4

Instructions: For each parallelogram, find the unknown angle (X). Remember that the opposite angles in a parallelogram are equal, and that all four angles must add to a total of 360 degrees.

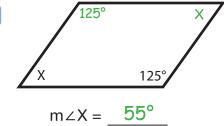


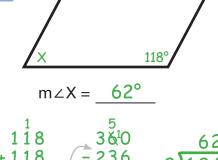


3



$$\begin{array}{c|c}
70 \\
+70 \\
\hline
140
\end{array} \begin{array}{c}
360 \\
-140 \\
220
\end{array} \begin{array}{c}
110 \\
2)220
\end{array}$$





 $m \angle X = 148^{\circ}$

Quadrilaterals

What do we call a quadrilateral that has **two** pairs of parallel sides?

a parallelogram

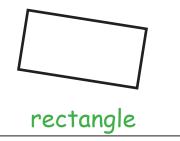
What do we call a quadrilateral that has only one pair of parallel sides?

a trapezoid (or trapezium)

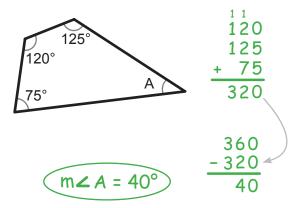
This parallelogram has 4 equal sides, but not 4 equal angles. What is its name?

rhombus

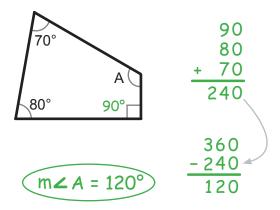
This parallelogram has 4 equal angles, but not 4 equal sides. What is its name?



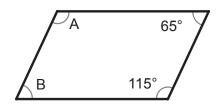
Find the unknown angle A.



Find the unknown angle A.



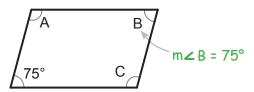
Find the unknown angles A and B, in this parallelogram.



The opposite angles in a parallelogram are equal.



Find angle A in this parallelogram.



$$\begin{array}{c|c}
75 \\
+ 75 \\
\hline
150
\end{array}$$

$$\begin{array}{c}
360 \\
- 150 \\
\hline
210
\end{array}$$

$$210 \div 2 = 105 \\
\boxed{m \angle A = 105^{\circ}}$$