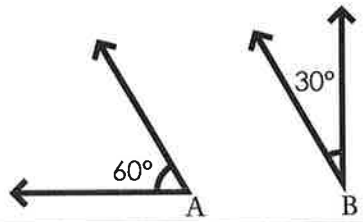
Name: _____ Homework

Complementary Angles

When the measurements of two angles are added together and the sum equals 90°, they are called **complementary angles**.

example:



∠A = 60°

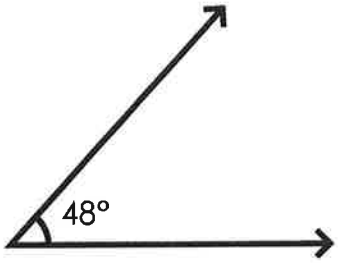
∠B = 30°

60° + 30° = 90°

∠A and ∠B are complementary angles.

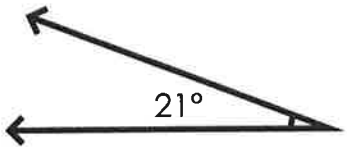
Find the complement to each angle.

a.



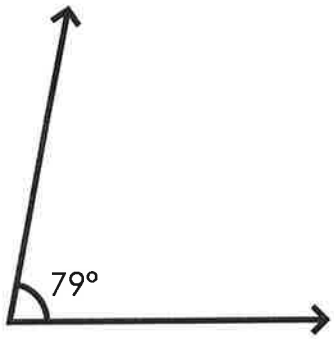
complementary angle: _____

b.



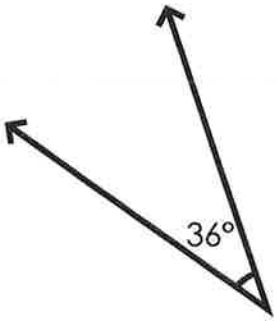
complementary angle: _____

c.



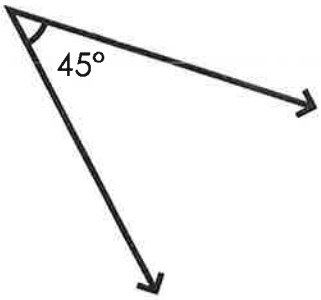
complementary angle: _____

d.



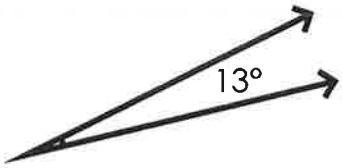
complementary angle: _____

e.



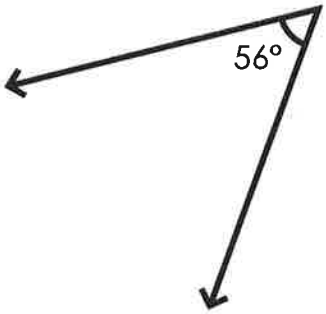
complementary angle: _____

f.



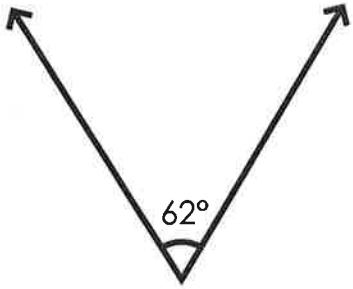
complementary angle: _____

g.



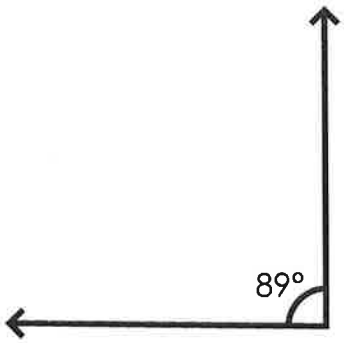
complementary angle: _____

h.



complementary angle: _____

i.



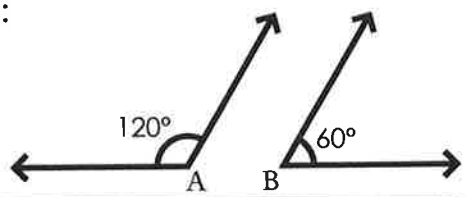
complementary angle: _____

Name: _____

Supplementary Angles

When the measurements of two angles are added together and the sum equals 180°, they are called **supplementary angles**.

example:



$\angle A = 120°$

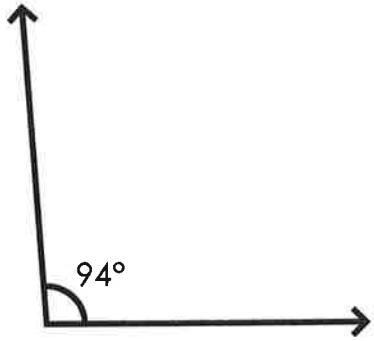
$\angle B = 60°$

$120° + 60° = 180°$

$\angle A$ and $\angle B$ are supplementary angles.

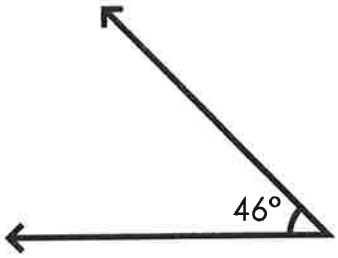
Find the supplement to each angle.

a.



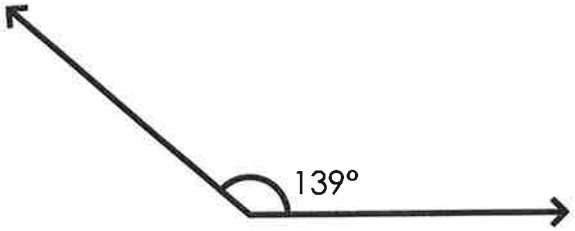
supplementary angle: _____

b.



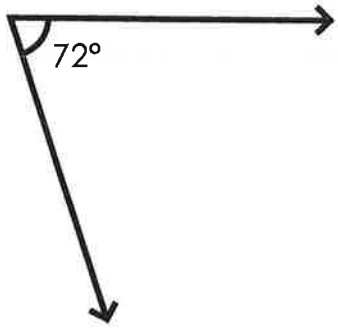
supplementary angle: _____

c.



supplementary angle: _____

d.

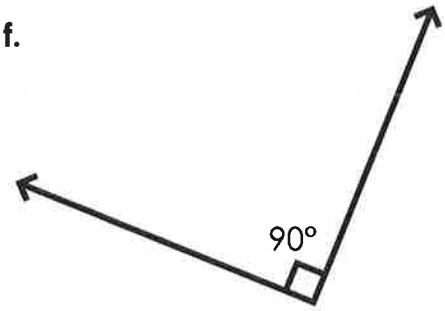


supplementary angle: _____

e.

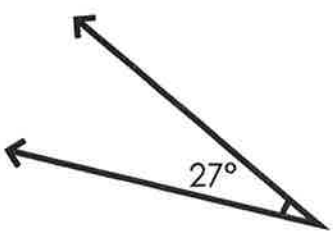
supplementary angle: _____

f.



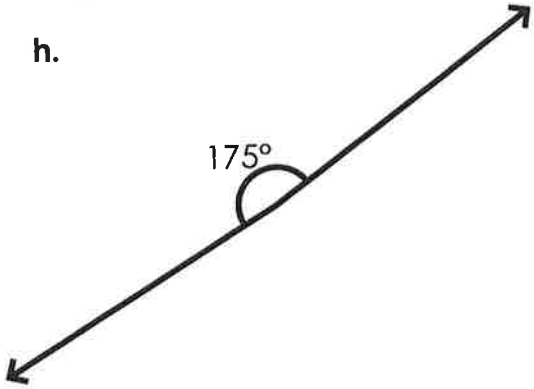
supplementary angle: _____

g.



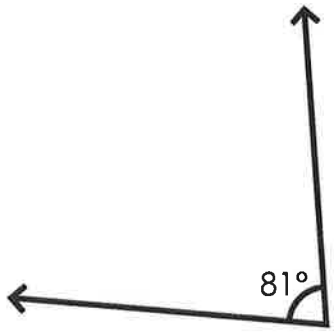
supplementary angle: _____

h.



supplementary angle: _____

i.

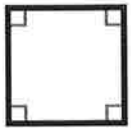


supplementary angle: _____

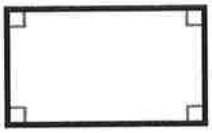
Name: _____

Quadrilaterals

Quadrilaterals are any polygon with four sides and four angles.

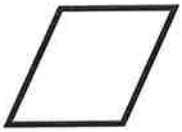


Square
All sides are the same length; there are four right angles

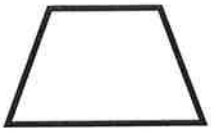


Rectangle
Opposite sides are parallel and the same length; there are four right angles

Parallelogram
Two pairs of opposite parallel sides

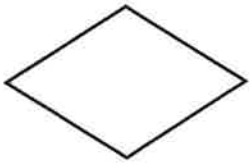


Rhombus
Two pairs of parallel sides; all sides are the same length

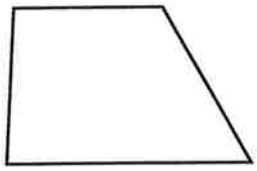


Trapezoid
Only one pair of parallel sides

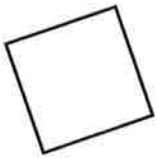
Write the name of each quadrilateral.

a. 

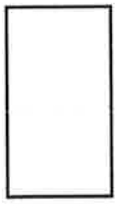
_____

b. 

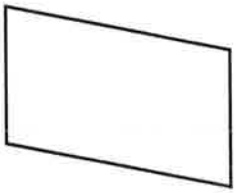
_____

c. 

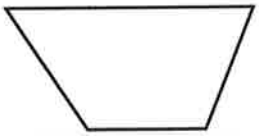
_____

d. 

_____

e. 

_____

f. 

_____

g. How can you tell the difference between a parallelogram and a trapezoid?

_____

_____

h. How can you tell the difference between a square and a rhombus?

_____

_____

math Antics
Exercises

Name: _____

Date: _____

Quadrilaterals

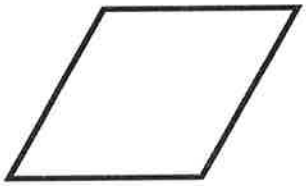
1 What do we call a quadrilateral that has **two** pairs of parallel sides?

_____

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

_____

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

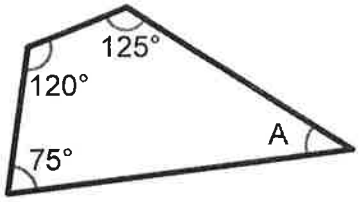


_____

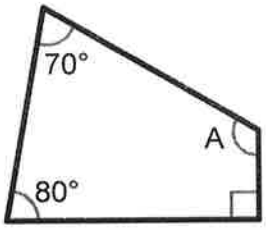
4 This parallelogram has 4 equal angles, but not 4 equal sides. What is its name?

_____

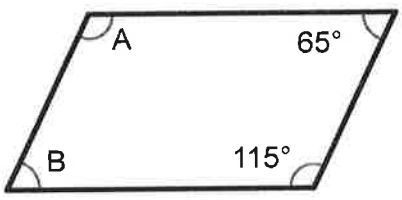
5 Find the unknown angle A.



6 Find the unknown angle A.



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



8 Find angle A in this parallelogram.