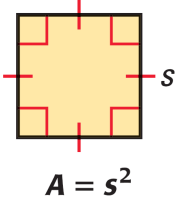
Geometry

11.1 Areas of Triangles and Parallelograms

## Area of a Square

side

s

s2

\_\_\_\_\_\_\_\_\_\_ Where \_\_\_\_ is the length of a \_\_\_\_\_\_\_\_.

## Area Congruence Postulate

area

congruent

polygons

If 2 \_\_\_\_\_\_\_\_\_\_\_\_\_ are \_\_\_\_\_\_\_\_\_\_\_\_\_, then they have the same \_\_\_\_\_\_\_\_.

## Area Addition Postulate

nonoverlapping

areas

sum

The total area is the \_\_\_\_\_\_ of the \_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ parts.

## Area of a Rectangle

height

h

base

b

bh

\_\_\_\_\_\_\_ Where \_\_\_ is the \_\_\_\_\_\_\_ and \_\_\_ is the \_\_\_\_\_\_\_\_\_\_

## Area of a Parallelogram

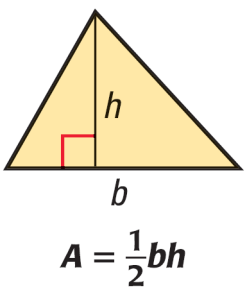
base

bh

b

h

height

 \_\_\_\_\_\_\_ Where \_\_\_ is the \_\_\_\_\_\_\_ and \_\_\_ is the \_\_\_\_\_\_\_\_\_\_.

## Area of a Triangle

height

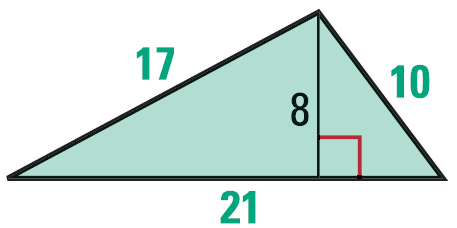
h

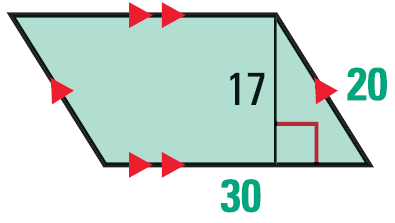
base

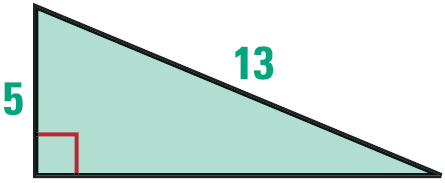
b

\_\_\_\_\_\_\_ Where \_\_\_ is the \_\_\_\_\_\_\_ and \_\_\_ is the \_\_\_\_\_\_\_\_\_\_\_.

Find the perimeter and area of the polygon.







A parallelogram has an area of 153 in2 and a height of 17 in. What is the length of the base?

Find the area.

Length of right rectangle is 6

7

3

6

12

Assignment: 723 #4-40 even, 48-54 even = 23