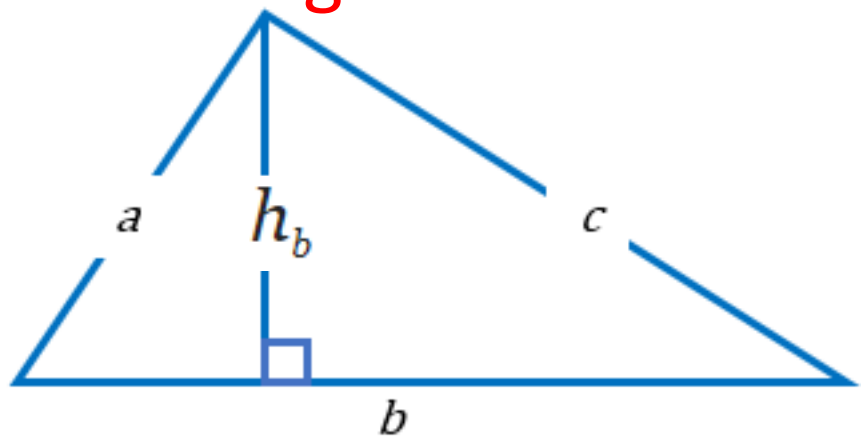


Exercise

- Write a program to calculate the area of different geometrical figures
 - Circle , triangle , trapezoid , square and rectangle
- The program should ask the user to enter the code for which user wants to find out the area
 - 't' for triangle
 - 'z' trapezoid
 - 'c' circle
 - 's' square
 - 'r' rectangle

Triangle

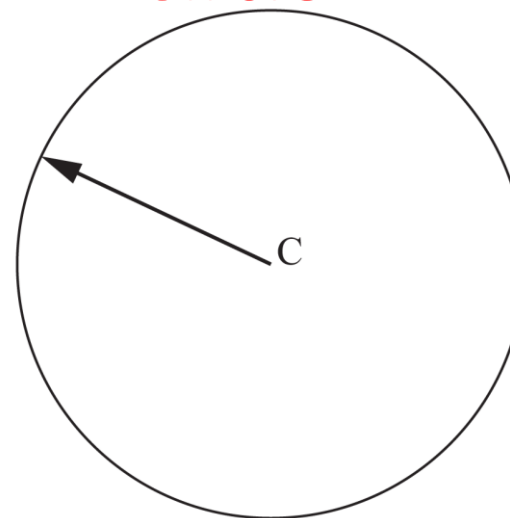


$$A = \frac{h_b b}{2}$$

b Base

h_b Height

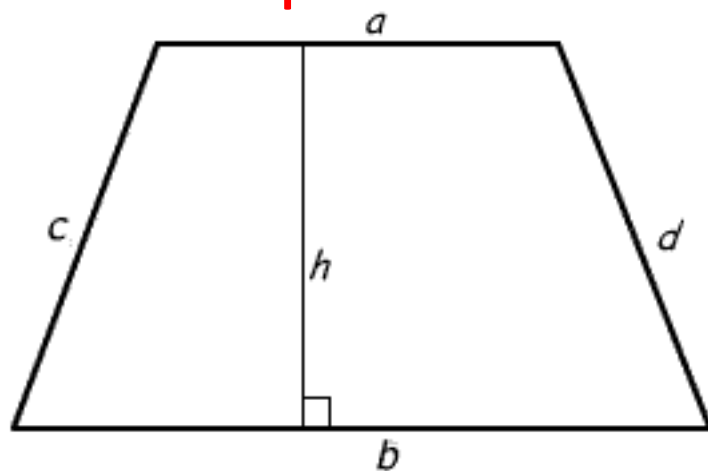
Circle



$$A = \pi r^2$$

r Radius

Trapezoid

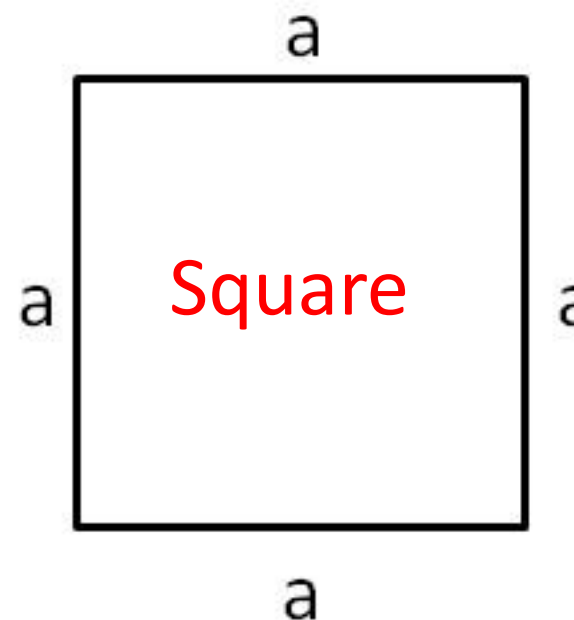


$$A = \frac{a+b}{2} h$$

a Base

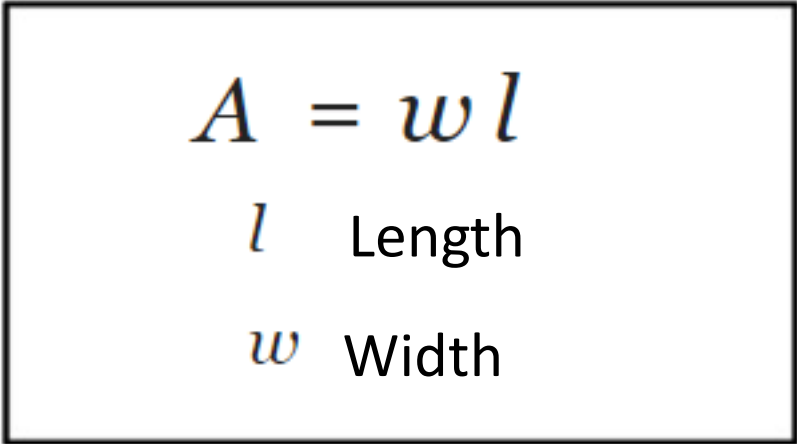
b Base

h Height



$$A = a^2$$

a Side



A diagram of a rectangle with a black border. The word "width" is written to the left of the rectangle, and the word "length" is written below the rectangle. Inside the rectangle, the formula $A = wl$ is displayed at the top. Below the formula, the variable l is followed by the word "Length", and the variable w is followed by the word "Width".

$$A = wl$$

l Length

w Width