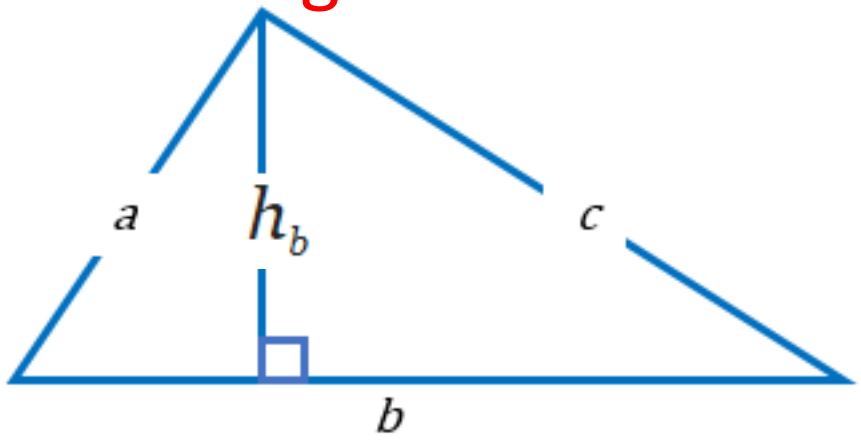
Exercise

- 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

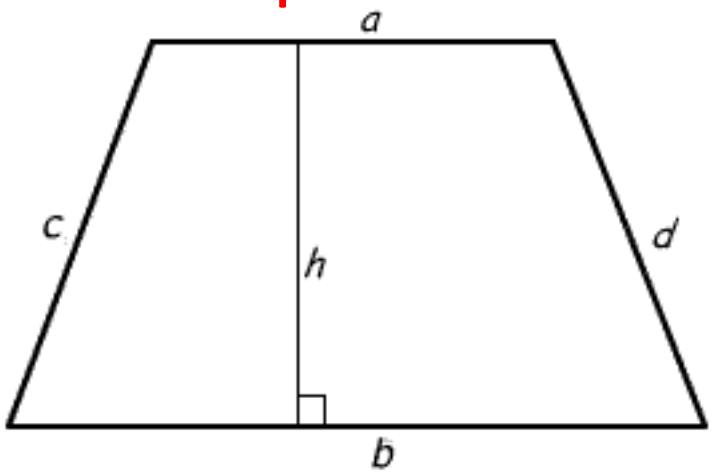


$$A = \frac{h_b b}{2}$$

b Base

h_b Height

Trapezoid



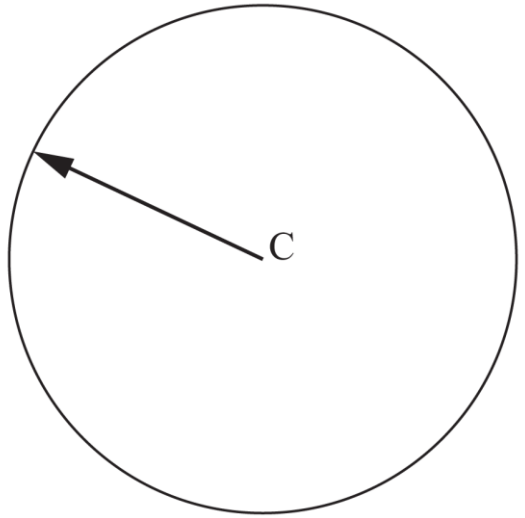
$$A = \frac{a+b}{2} h$$

a Base

b Base

h Height

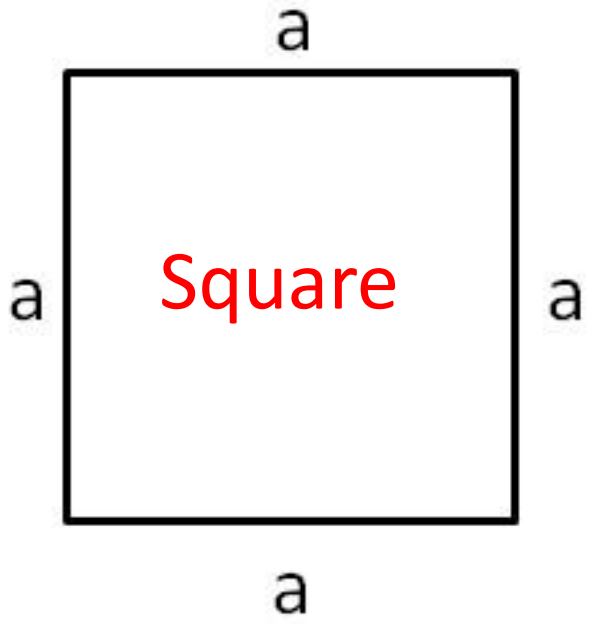
Circle



$$A = \pi r^2$$

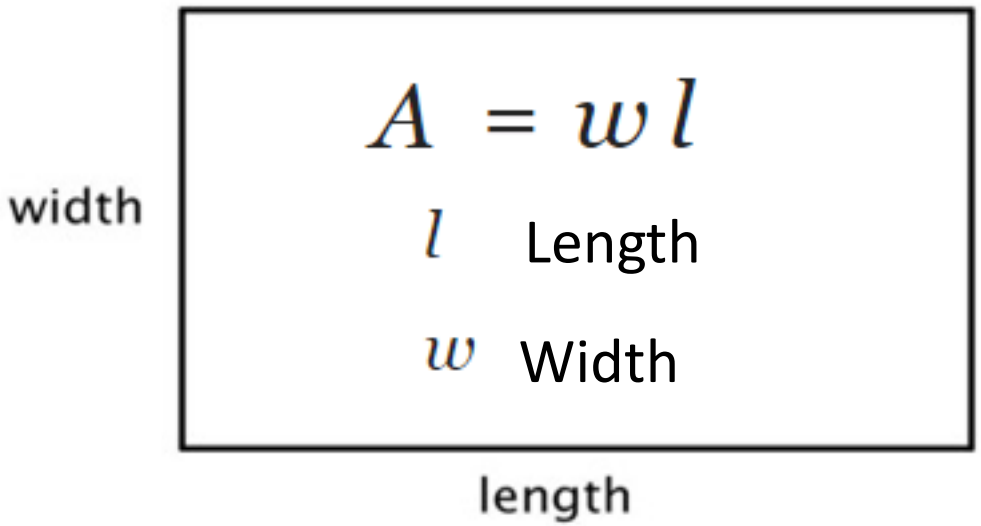
r Radius

Square



$$A = a^2$$

a Side


$A = w\,l$
l Length
w Width
width
length