

equilatural acute

Triangles

isosceles scalene
acute acute

Side length adjectives

equilateral: all sides are same length

isosceles: 2 of sides are same length w/ one side a different length

scalene: all 3 sides are different tengths right obhuse scalene scalene Angle adjectives

obtuse: one of the arges

acute: all 3 angles are

right: one angle is 90°

## Perimeter and Area of Polygons

Perimeter: (I'd measurement) measures length award the outside of the polygon

ex units: in, m, cm, ft, y d

Area: (?-d measurement) measures 2d space inside polygon

ex units: in, m, cm, ft, yd

**Formulas** 

Perimeter

Area

circle

P=2πr

A=Tr

square



P=4x

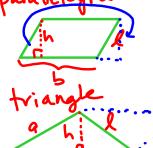
A= x2

rectangle



P=21+2w A=1w

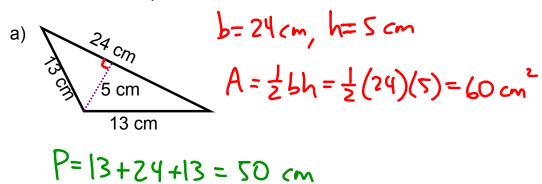
parallelogram



P=2b+22 A=bh

P=b+a+l A==bh

EX 1: Determine the perimeter and area of each of these.



b) An envelope with length of 8 inches and width of 14 inches.

$$P = 2(14) + 2(8) = 44$$
 in

14 in

 $A = 8(14) = 112$  in

c) A round stadium with diameter of 1.5 dm.

$$d=1.5 \, dm \implies r=\frac{1}{2}(1.5 \, dm)=0.75 \, dm$$

$$P=2\pi r=2\pi (0.75) \, dm$$

$$=1.5\pi \, dm$$

$$\simeq 4.71 \, dm$$

$$A=\pi r^2=\pi (0.75)^2=0.5625\pi \, dm^2$$

$$\simeq 1.767 \, dm^2$$

- EX 2: Determine the area and perimeter of these shapes.
  - a) Assume this is made up of a square and a circle (cut in half)

