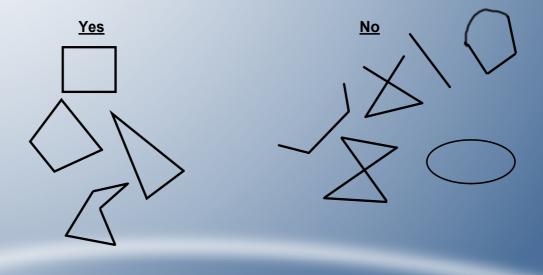


Polygon

A closed geometric figure formed by connecting line segments endpt to endpt, each seg intersecting exactly 2 others.

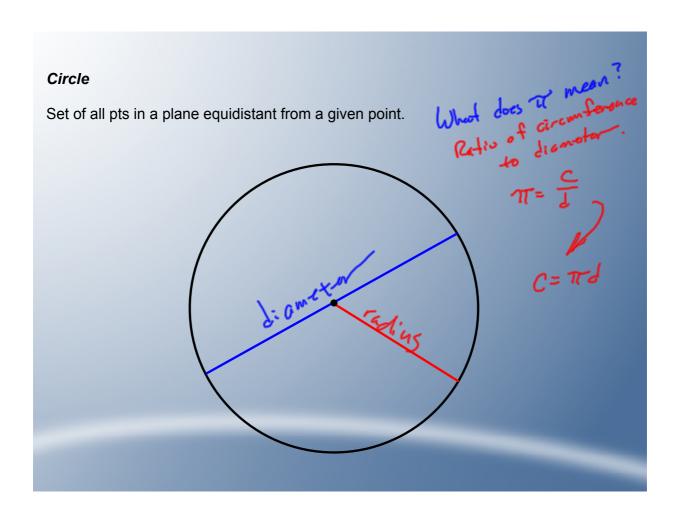


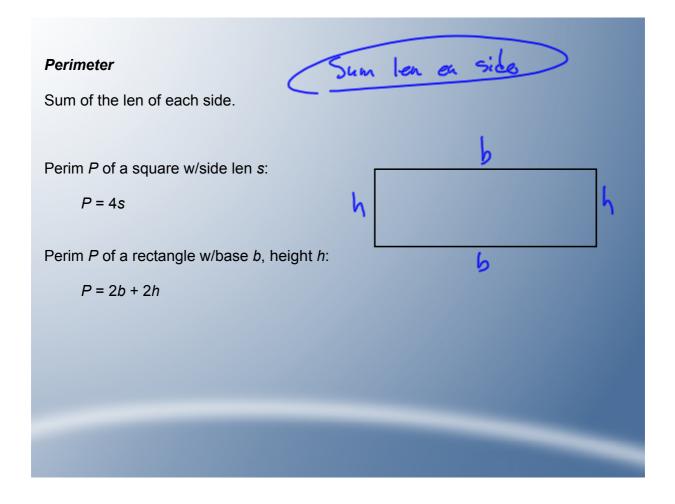
What do you have, if in a plane

you take a pt and

all other points equidistant from that pt?





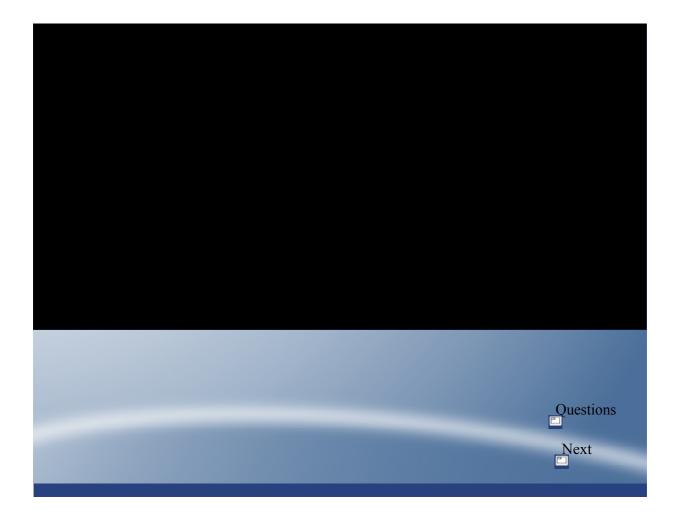


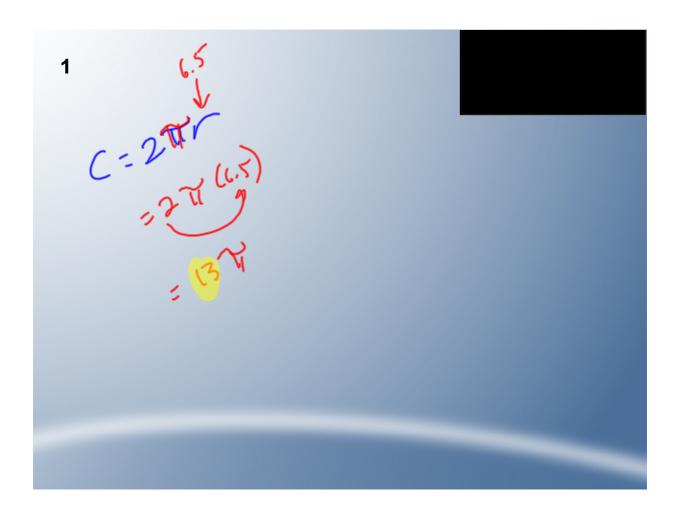
1 Margaret's garden is a square 12ft on each side. She wants a 1ft wide path around the entire garden. What will the outside perimeter of the path be?

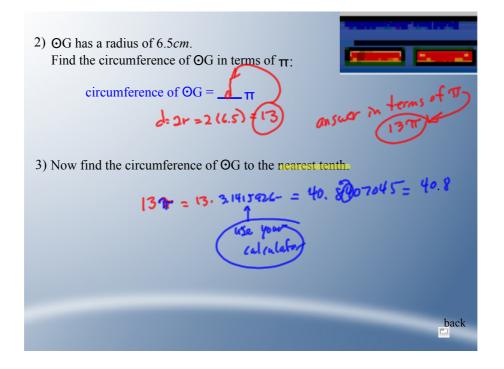
The path around the entire garden. What will the outside perimeter of the path be?

What do we call "perimeter" for circles?	
	$\overline{}$

Circumference "Perimeter" for a circle. Circumference C of a circle of diameter d is: $C = \pi d = 2\pi r$ Vadius





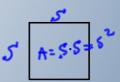


Area

Measure of how much surface space a shape takes up.

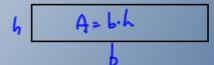
Area A of a square w/side len s:

$$A = s^2$$



Area A of a rectange w/base b and height h:

$$A = bh$$



Area A of a circle of diameter d is:

$$A = \pi r^{2}$$

$$d = 2r$$

$$r = \frac{1}{2}$$

$$6r$$

$$A = \pi \left(\frac{1}{2}\right)^{2}$$



To make a project, you need a rectangular piece of fabric 30 wide & 4' long.

How many square feet of fabric do you need?

3 x 4 = 12

