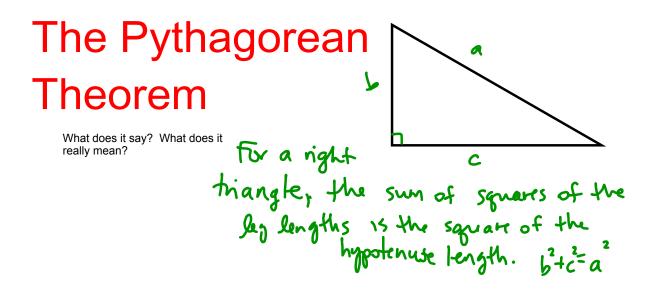
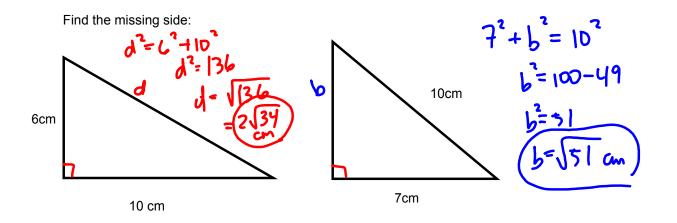
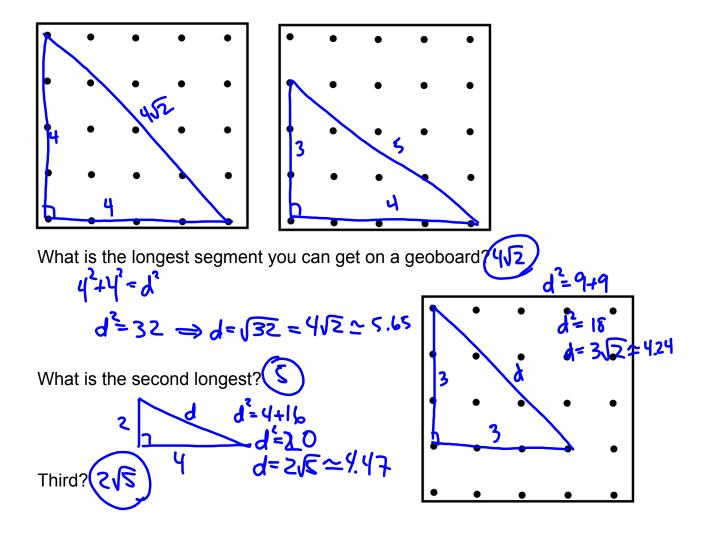
14.2 Pythagorean Theorem

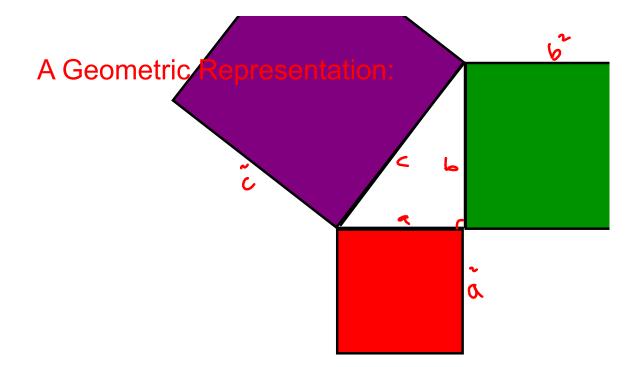


How do we use it?



14.2





Pythagorean Triples

You will need a sheet of graph paper.

On your graph paper, draw a vertical segment the number of units in length that is designated in the table.

Draw a horizontal segment using the table below and then measure or compute the hypotenuse.

	Vertical	Horizontal ୳	Hypotenuse 5
	5	12	3
	6	8	0
IXE	8	15	7
62	> 12	16	20
	15	20	SZ

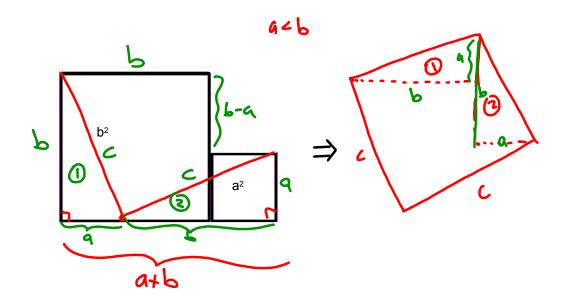


Carpet proof

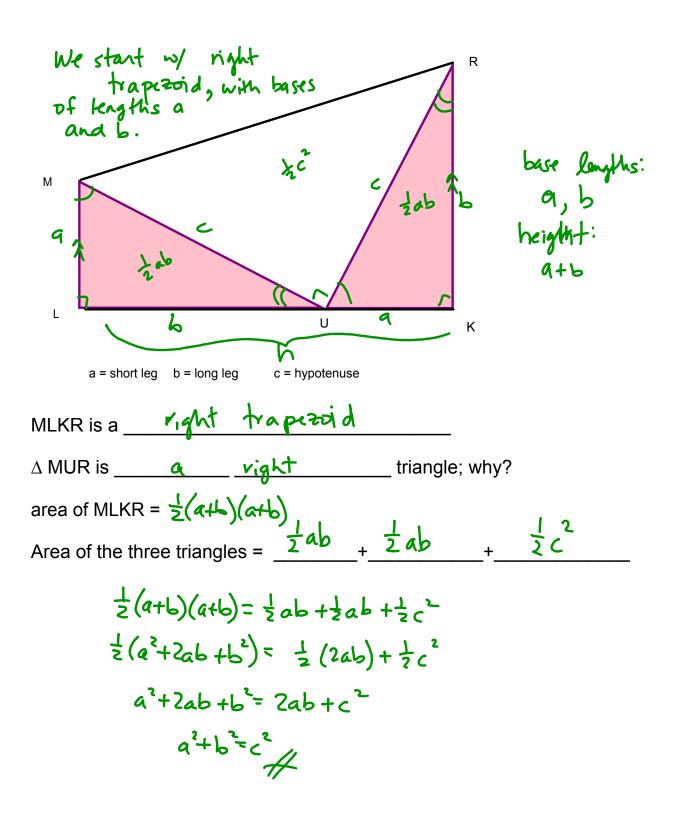
We start w
a side lingths

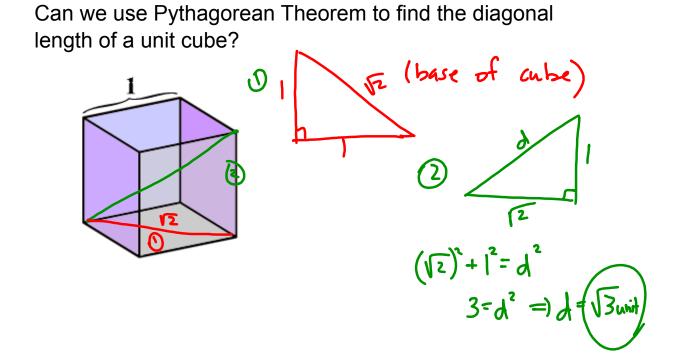
$$a = 90^{\circ}$$
 (s)
 $a = 90^{\circ}$ (s)

An Indian Proof

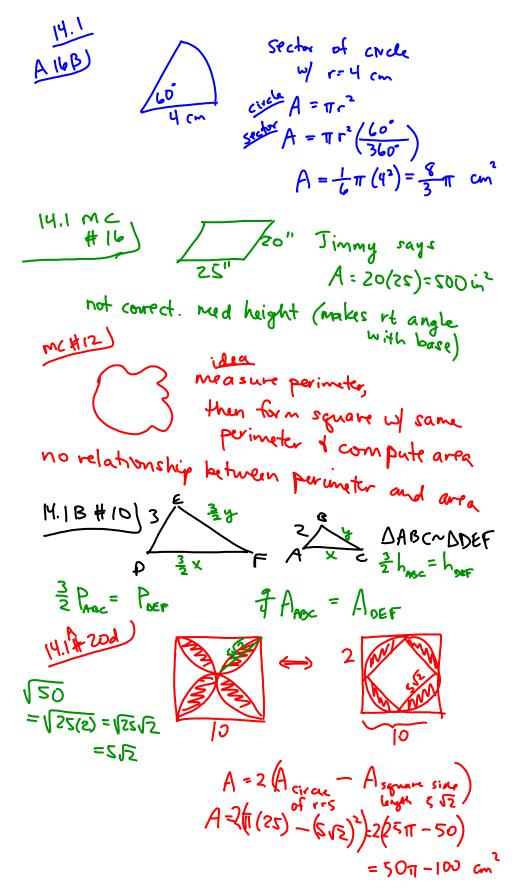


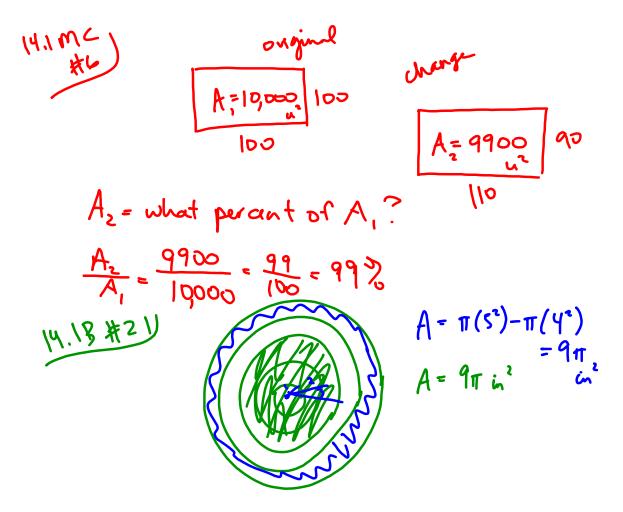
Garfield's Proof

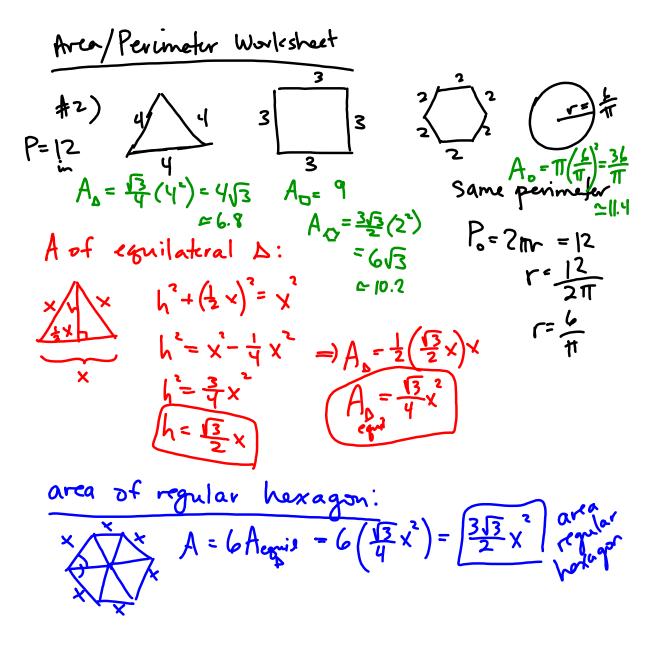


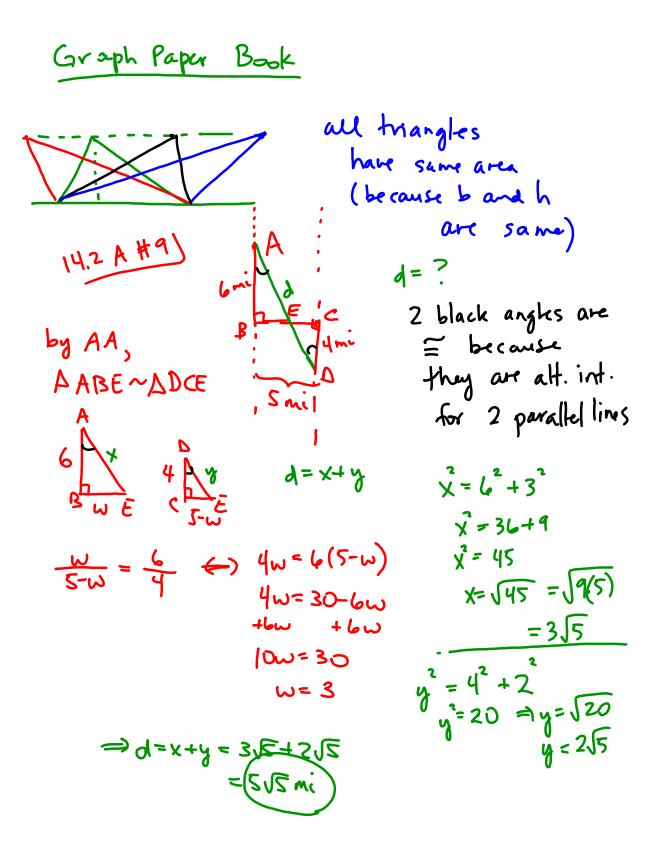


Circle Worksheet tell how this convinces you of area formula for Circle.









$$\begin{array}{c} (42)^{k} \\ k^{(1)} \\ (4) \\ (4$$

