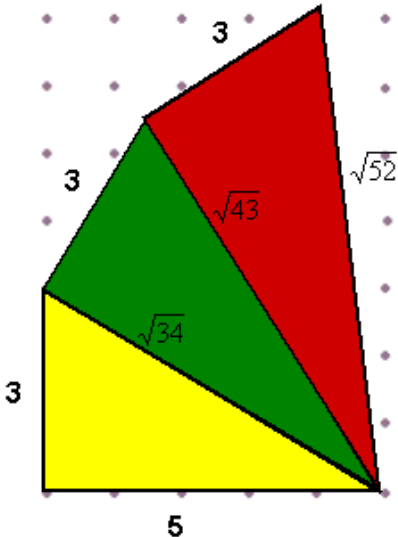
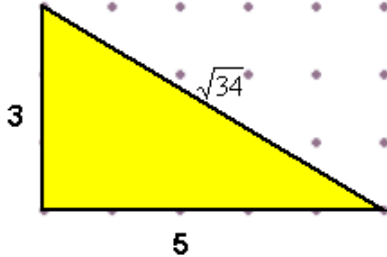


Pythagoras Connecting Triangle Sample



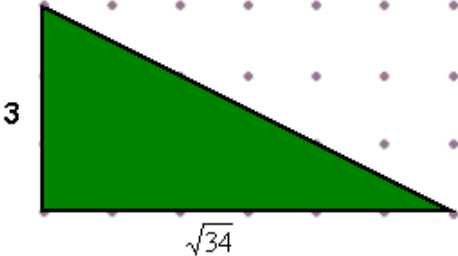
The length of the hypotenuse of the largest right triangle = $\sqrt{52}$



$$c^2 = 3^2 + 5^2$$

$$c^2 = 9 + 25$$

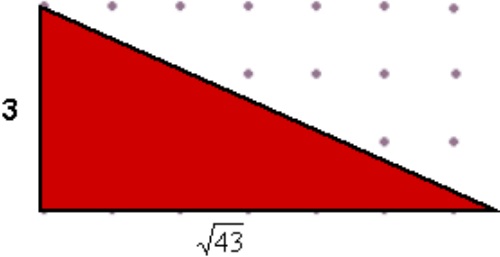
$$c = \sqrt{34}$$



$$c^2 = 3^2 + (\sqrt{34})^2$$

$$c^2 = 9 + 34$$

$$c = \sqrt{43}$$



$$c^2 = 3^2 + (\sqrt{43})^2$$

$$c^2 = 9 + 43$$

$$c = \sqrt{52}$$