

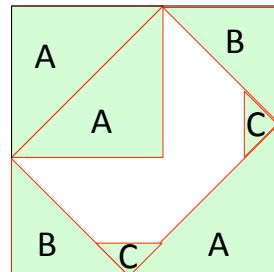
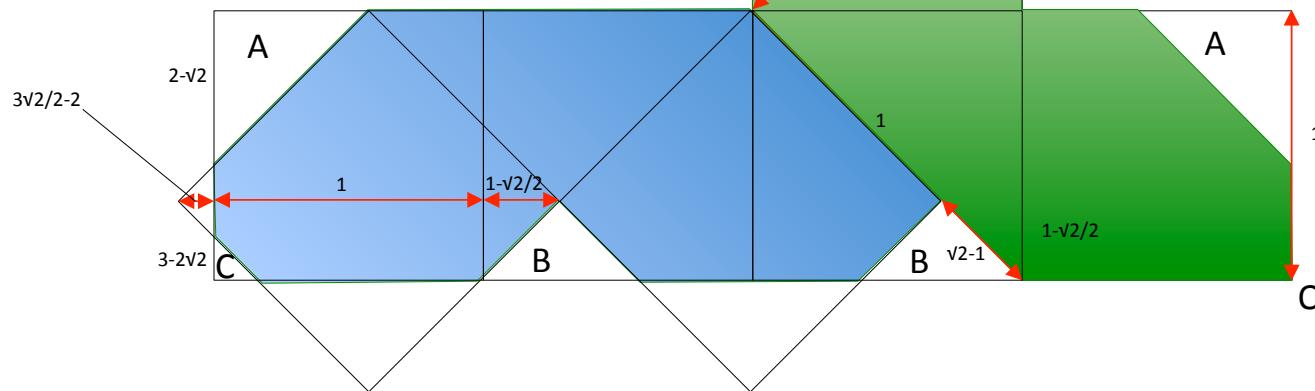
SOLUTION FROM

Carl Weiner Wittenberg

Course 2, Class of 1987

cpwittenberg@optonline.net

The diagonal connecting point P to point Q suggested that there should be two tiles, one lying across that diagonal, and one lying left-to-right in the remainder of the pentomino.



TOTAL AREA MISSING (AS SHOWN TO THE LEFT):

$$\begin{aligned} & 3A + 2B + 2C \\ & = 3(1/2)(2-\sqrt{2})^2 + 2(1/2)(\sqrt{2}-1)^2 + (3-2\sqrt{2})^2 \\ & = 29 - 20\sqrt{2} \\ & = 0.716 \end{aligned}$$

PERCENTAGE COVERED:

$$(5 - 0.716) / 5 = 86\%$$