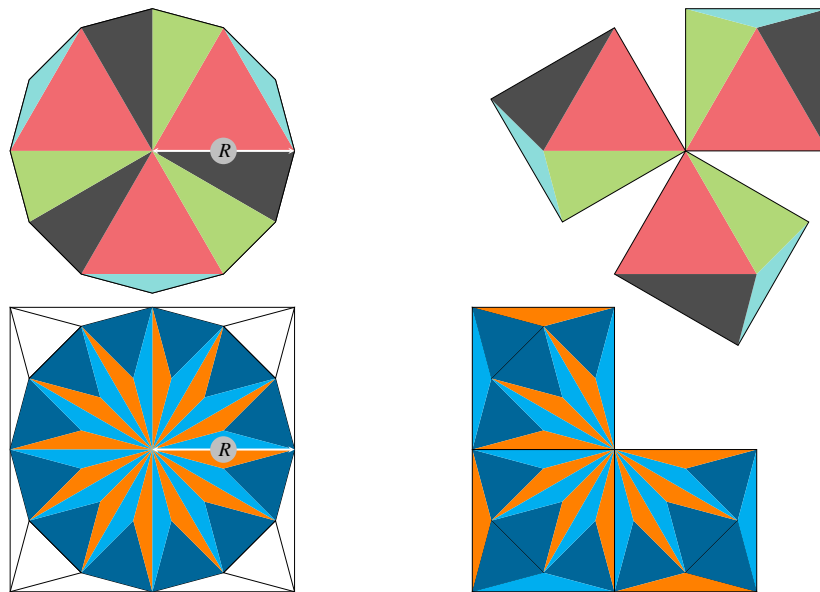


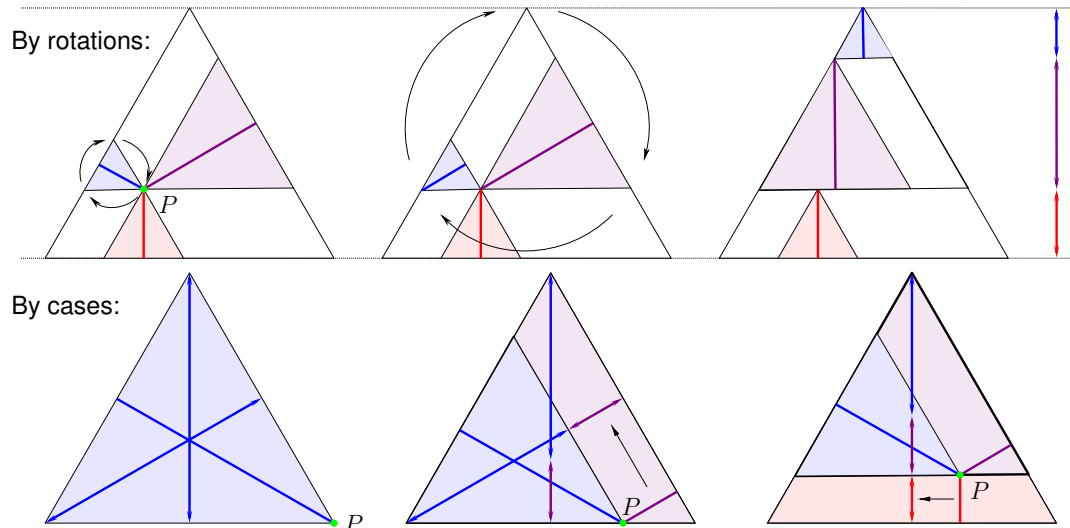
## Proofs Without Words

Series 2

Paul Gartside <sup>1</sup>



The area of a regular dodecagon of circumradius  $R$  is  $3R^2$ .



**Viviani's Theorem:** In an equilateral triangle, the sum of the distances from any point,  $P$ , to the three sides is equal to the height of the triangle.

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