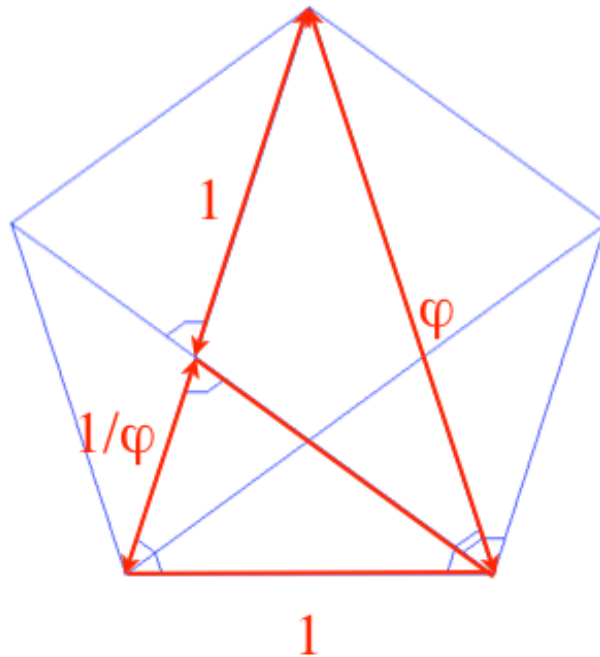


## *Pentagons, etc.*

*(The big red and lower red triangles are similar.)*



$$\varphi = 1 + 1/\varphi$$

$$\varphi^2 - \varphi - 1 = 0$$

$$\varphi = \frac{1}{2}(1 + \sqrt{5})$$

*“diameter” of pentagon*