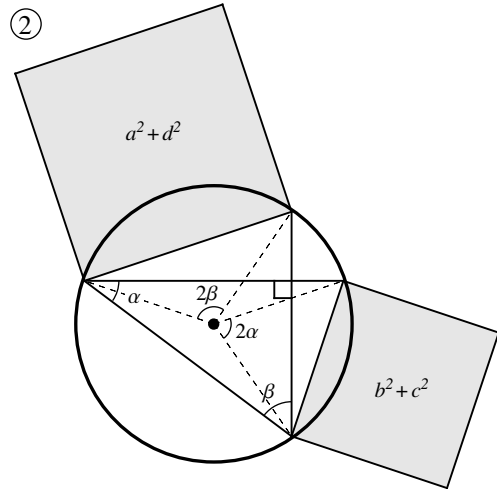
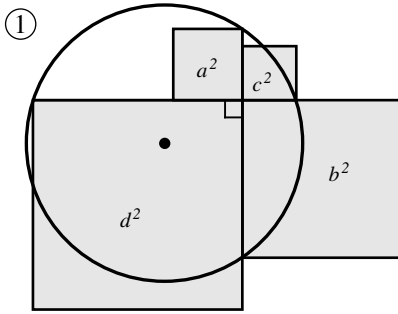
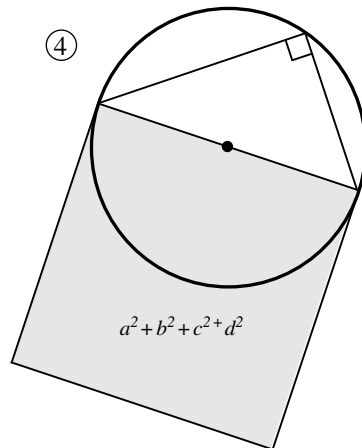
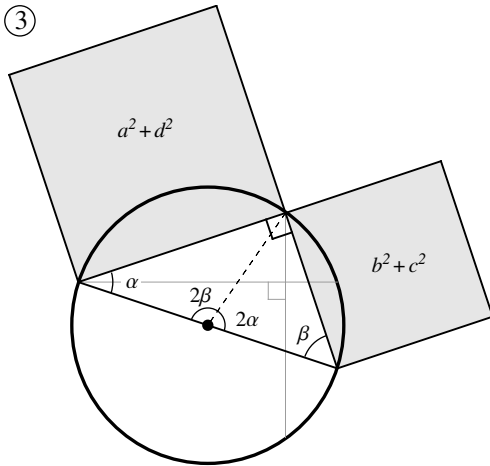


Proof Without Words: Four Squares with Constant Area

If two chords of a circle intersect at right angles, then the sum of the squares of the four segments formed is constant (the square of the length of the diameter).



$$\alpha + \beta = \pi/2 \Rightarrow 2\alpha + 2\beta = \pi$$



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