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Details And Theory At The Page Theory Analysis

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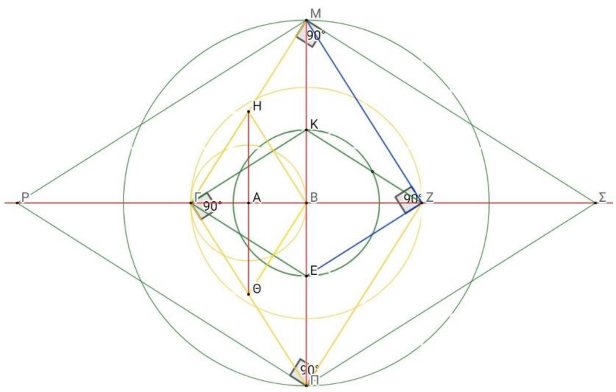
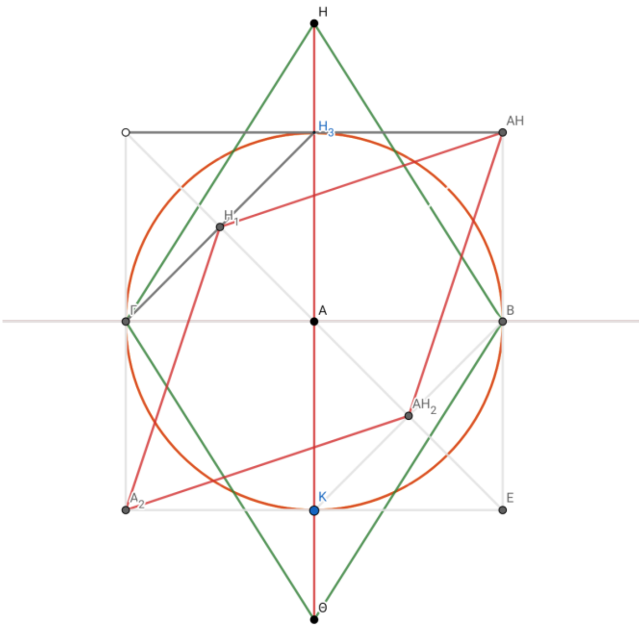


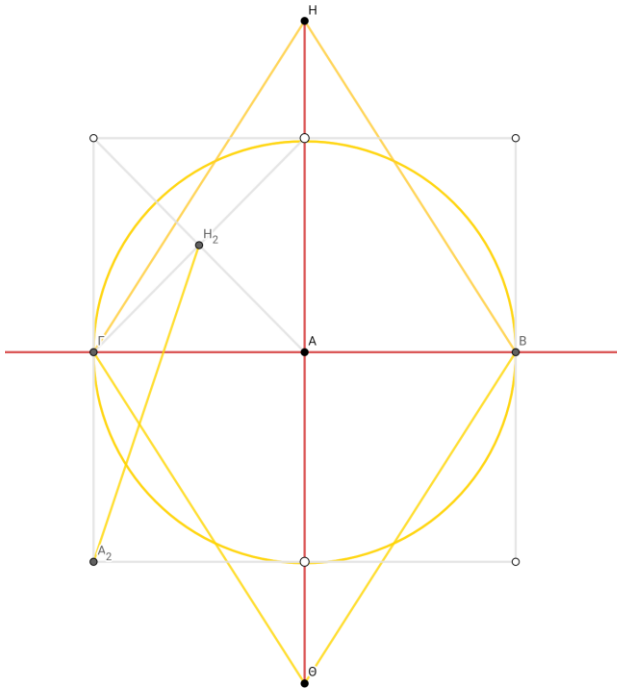
Develop of circle and rhombus of same center and area in squares (1), (4÷X)^2) , (4), (X^2) with 3×90° rotation. X=MΠ= perimeter of first circle. (squares are self-explanatory, of the same center, sides equal as each diameter of each circle.)

Attempt to square the circle with ruler and compass according to Euclidean geometry. what went wrong. where is the mistake.

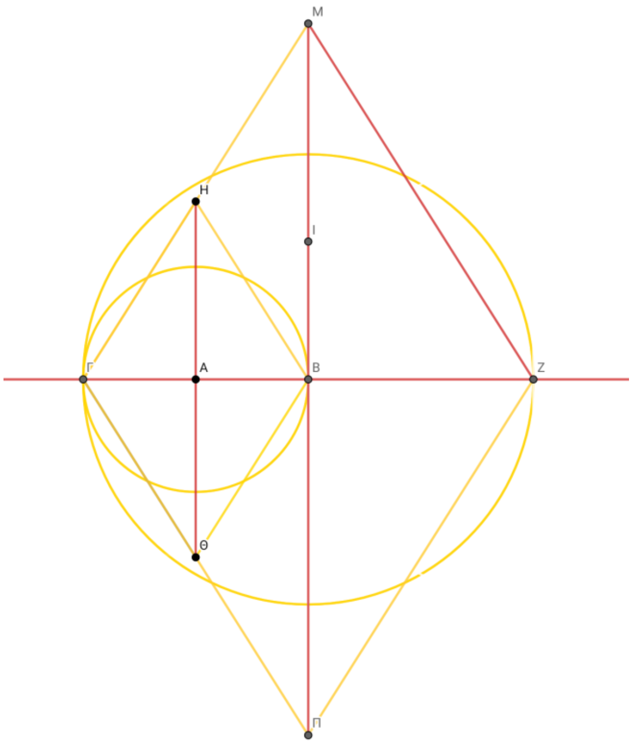


Perimeter and area of each circle with ruler and compass only

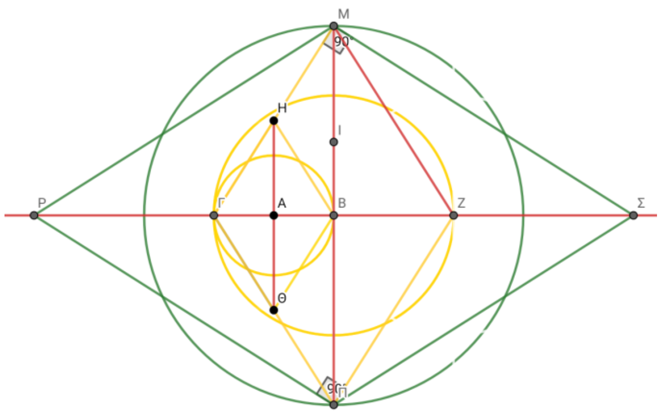
CONSTRUCTION STEPS



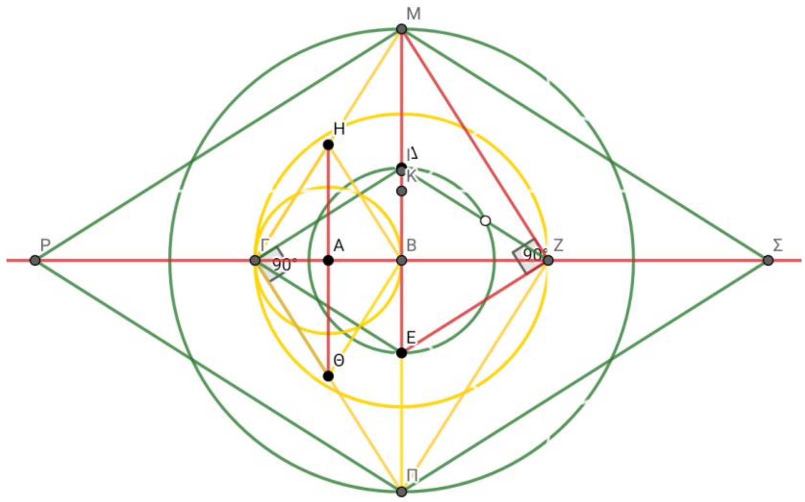
HA^2 = (3/4)^2+(1/4)^2. HA×4=μπ. (ΓB×HΘ)÷2 = area1 = HA. =1/4 μπ I place it perpendicular to ΓB in the center A and correspondingly I place AΘ ... and I have Small diagonal ΓB=1 and large diagonal HΘ= ½ of the circumference of the circle. And I place the sides of the rhombus.



ΓB × √4 = ΓZ. I move the axis and double to ΓZ . I extend ΓH to the vertical axis at M and correspondingly all the sides and double HΘ to MΠ. HΘ × √4 = MΠ. area2=MΠ



ΜΠ^2/2 = ΡΣ. Area3= ΜΠ×ΜΠ^2)/4 from ΓΜ I bring a perpendicular from M to the horizontal axis to Σ and accordingly draw all its sides



MZ^2= MB^2 + BZ^2 . MZ^2 ÷ ΜΠ^2/4= ZE^2. ZE^2 - BZ^2 = BE^2 ΜΠ ÷ √(ΜΠ^2/4)=ΓΖ =2)και 2 ÷ √(ΜΠ^2/4)=KE= 4/ΜΠ 2ΓΖ÷ BE^2 = ΜΠ^2 (of perimeter 4 and an area equal to diameter 4÷ΜΠ. I bring a perpendicular from MZ from Z to the vertical axis at point E and draw a diameter and respectively all the sides.