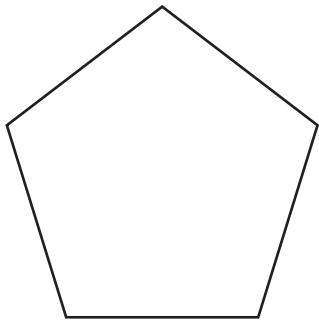
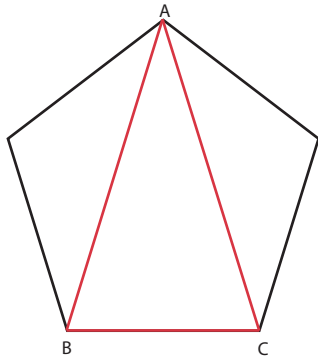


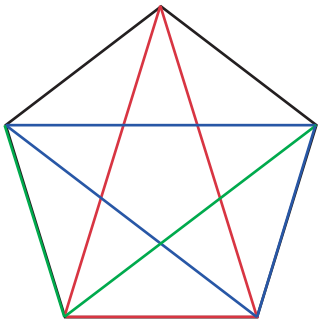
Golden section triangles into Pythagoras's lute (in Illustrator)



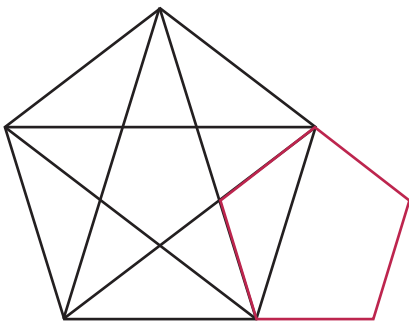
1. Draw a pentagon by clicking on the canvas, entering 5 as the number of sides, and any radius.



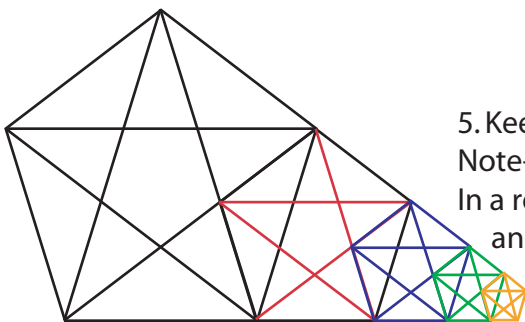
2. Use the line tool to connect the points as shown. You now have an isosceles, or golden section triangle!



3. Draw more lines!



4. Make a new pentagon and resize it (hold down shift to not lose the proportions!) so it tucks under the right side of the star.



5. Keep drawing!
Note- this is an approximation, as I did not measure lines or angles. In a real Pythagoras's lute the isosceles triangles would have two angles of 72° and one of 36° . It's easier with a protractor and paper than Illustrator.