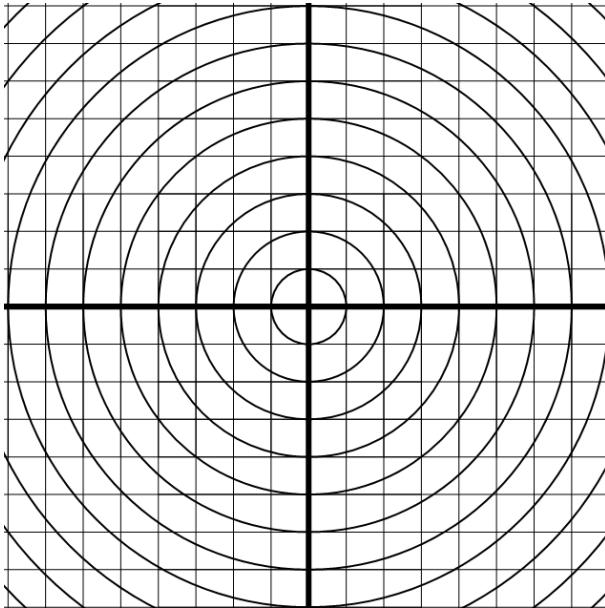


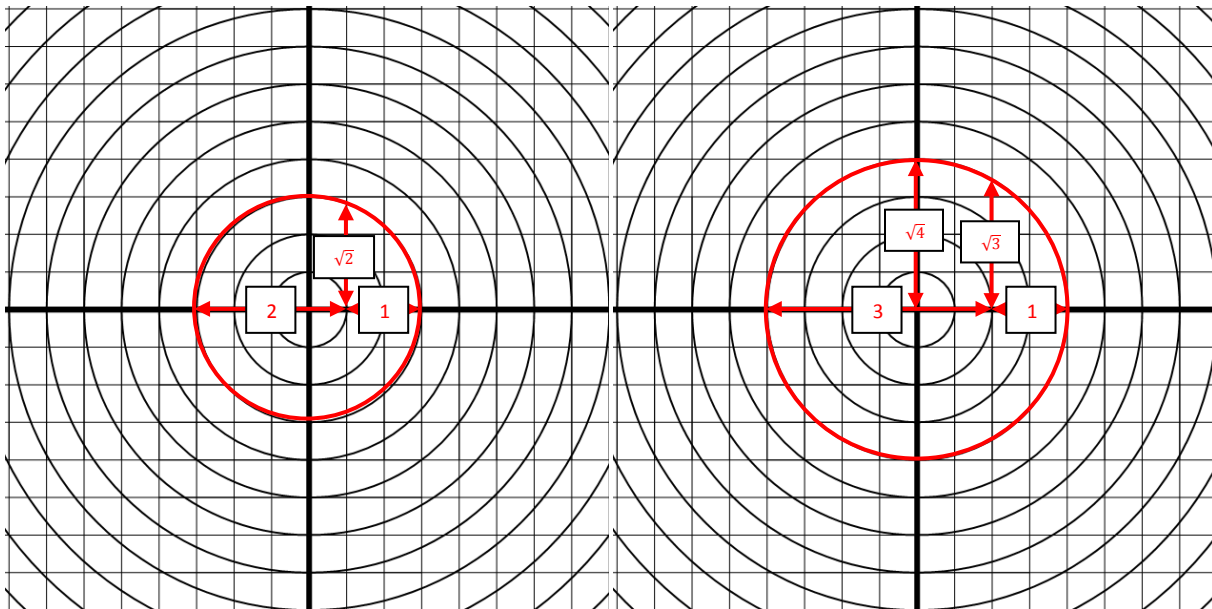
Prime Moiré Pattern

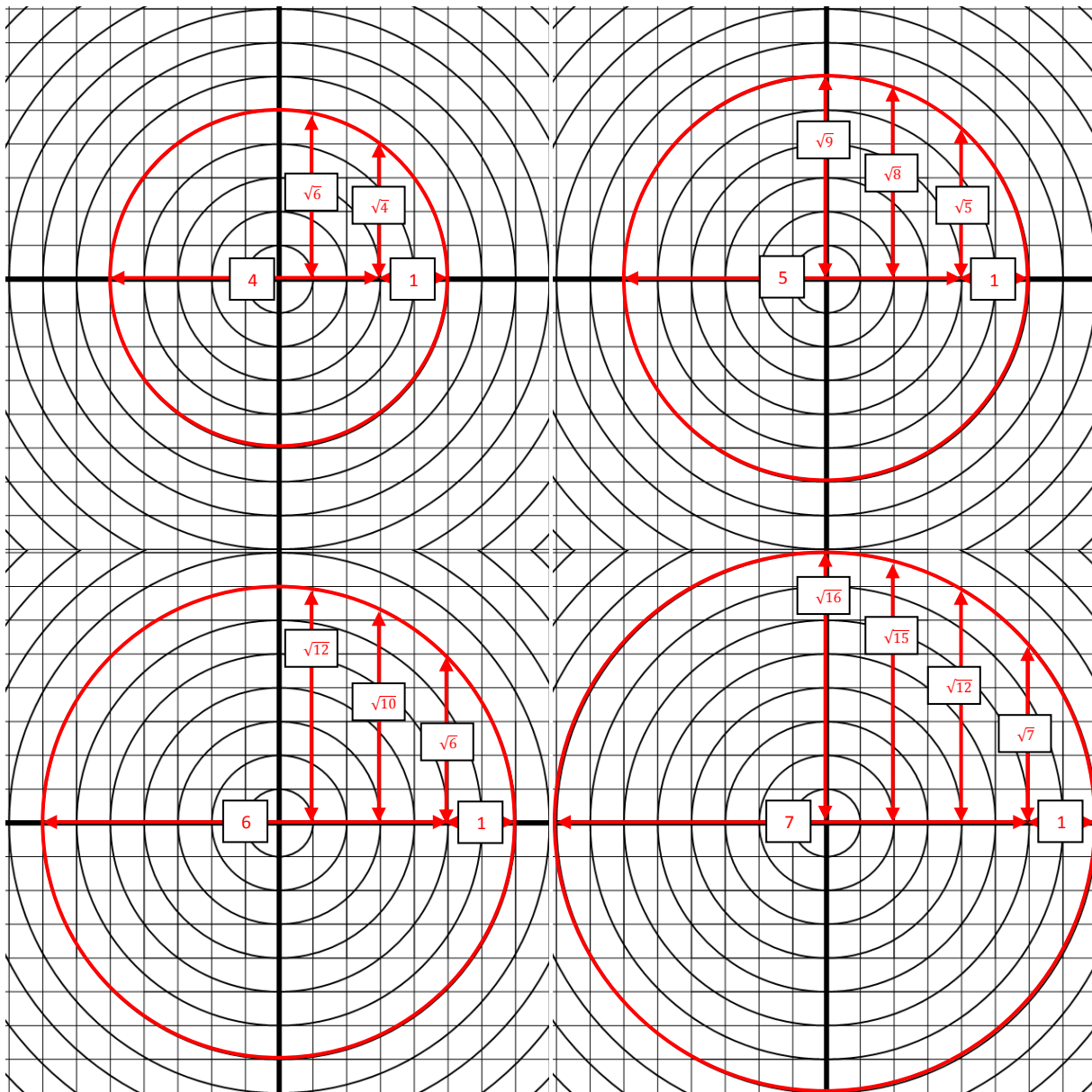
The Circle and the Square

My observation starts with the interference pattern created when a circle grid is overlaid on a square grid and their lines intersect. This is known as a Moiré pattern.



This particular Moiré pattern has some very interesting properties with regards to square roots when you consider each grid tick as $1/2$. Multiple square roots can be derived from each circle/square overlay.





Primes square roots hit the grid once composite square roots hit the grid more than once.

