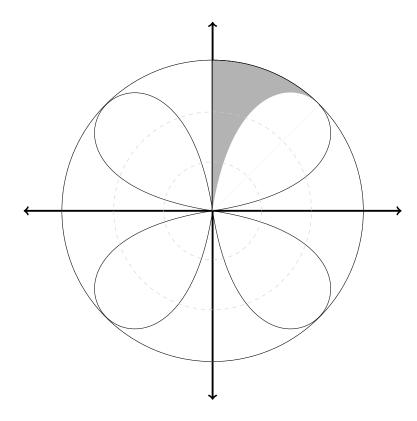
1. The graphs of r = 3 and $r = 3\sin(2\theta)$ are shown below.



Set up an integral to find the area of the shaded region (you don't need to solve it)

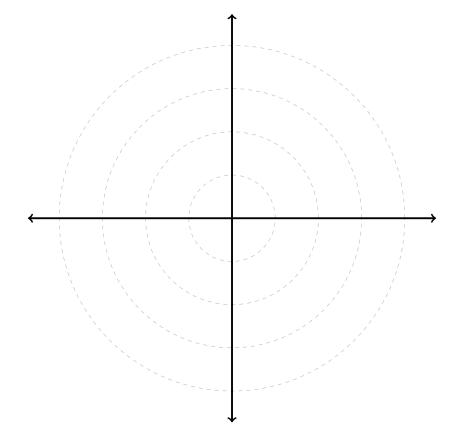
2. a) Find all points of intersection of the curves, in polar coordinates

 $r = 4\cos(3\theta)$ and

r = 2

Answer:

b) Graph the curves on the axes below



- 3. a) What was your favorite part of this class?
 - b) What was your least favorite part of this class?