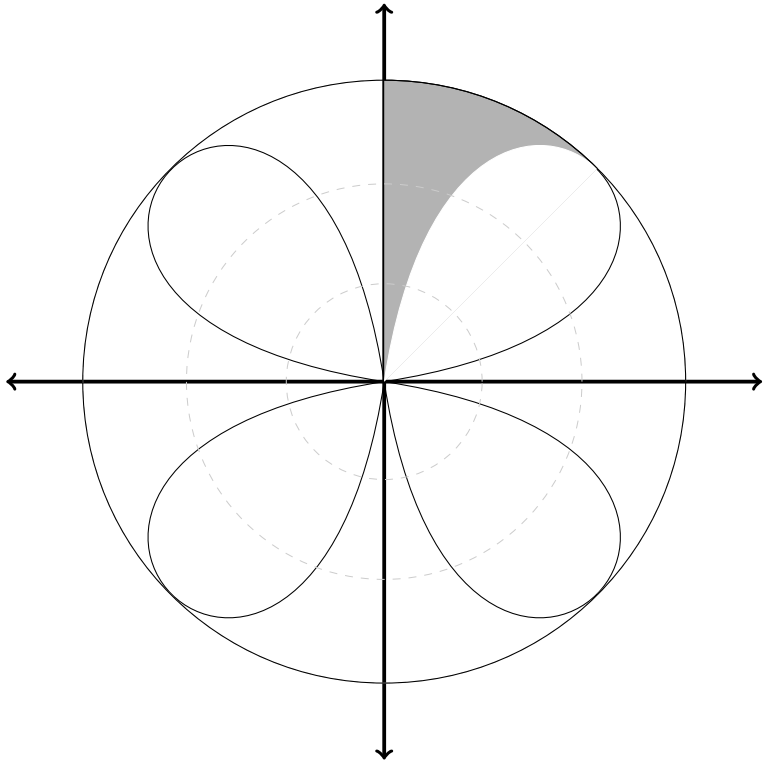
1. The graphs of $r = 3$ and $r = 3\sin(2\theta)$ are shown below.



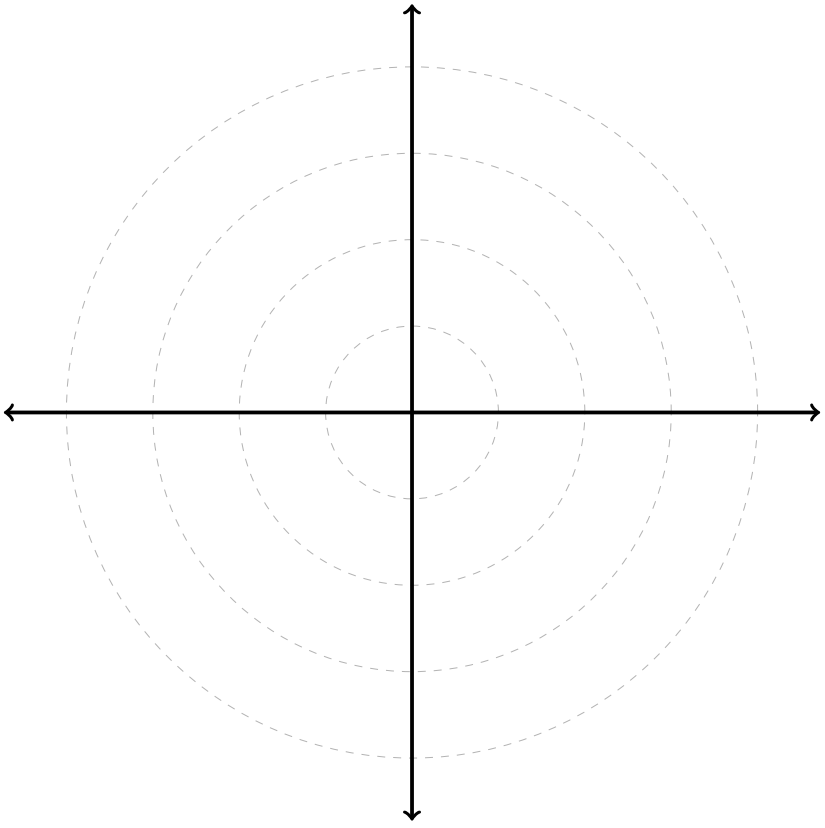
Set up an integral to find the area of the shaded region (you don't need to solve it)

Answer: _____

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?