

Quiz Math 201 31.10.2009

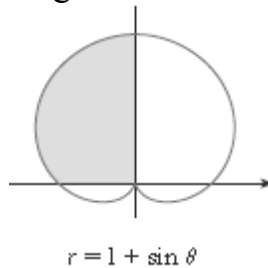
Name
Stud ID

1) Find the Cartesian coordinates of the points:

a) $\left(3, \frac{\pi}{2}\right)$

b) $\left(2\sqrt{2}, \frac{3\pi}{4}\right)$

2) Find the area of the shaded region.



3) Compute the angle between the vectors $\mathbf{a} = \langle 5, 1, 4 \rangle$, and $\mathbf{b} = \langle -1, 0, 2 \rangle$.