King Fahd University of Petroleum & Minerals
Department of Mathematics & Statistics
MATH 201-16   Quiz # 1:

Name:..**ID#**.........

1) Find the distance between the points whosepolar coordinates are $(1, \frac{\pi}{3})$
and $(2, \frac{2\pi}{3})$.

2) Find the polar equation for
a) $y = x^2$
b) $x^2 + y^2 = 2x$

3) Plot the polar equation $r = \cos \vartheta$, $0 \leq \vartheta \leq \frac{2\pi}{3}$