1. Convert $(2, \pi / 3)$ to rectangular form.
2. Convert $(6,-3)$ to polar form.
3. Convert $x^{2}+y^{2}-6 x+2=0$ to polar form.
4. Convert $r=2 \sec \theta$ to rectangular form.
5. Graph the following:
a. $r=\sin 3 \theta$
b. $r=\cos 2 \theta$
c. $r=2 \sin \theta$
d. $r=3 \cos \theta$
e. $r=\theta$
f. $r=1-\cos \theta$
g. $\theta=\frac{\pi}{3}$
h. $r=1+\cos \theta$
i. $r=2-4 \sin \theta$
j. $r=3+6 \cos \theta$
k. $r=-1-2 \cos \theta$
6. $r=1+2 \sin \theta$
7. What is the area inside the curve $r=2 \cos \theta$ and outside the curve $r=1$ ? Graph and shade the region.

LOOK OVER THE SEQ \& SERIES WS POSTED ON 4/16! I will be posting solution videos soon.

