

MAT 397
Polar Graphs You Should Know

In these equations, a and b are real numbers and n is a positive integer.

$$\begin{array}{lll} r = a & \theta = a & r = a \sec \theta \\ r = a \csc \theta & r = a + b \sin \theta & r = a + b \cos \theta \\ r = 2a \sin \theta & r = 2a \cos \theta & r = a \cos n\theta \\ r = a \sin \theta & & \end{array}$$