



B41 Sept 17 Lec 2 Notes

Convert Polar to Cartesian : $x = r \cos \theta$, $y = r \sin \theta$

Convert Cartesian to Polar : $\theta = \arctan \frac{y}{x}$, $r = \sqrt{x^2 + y^2}$

Ex 1:

$$r = 3 \cos \theta$$

θ	π	$\frac{7}{4}$	$3\frac{3}{4}$	$\frac{7}{8}$
r	-3	2.12	-2.12	2.772

