## **KEY to Converting Polar to Rectangular**

1. 
$$r = tan\theta sec\theta$$
 $r = tan\theta \cdot \frac{1}{cos\theta}$ 
 $r = \frac{1}{cos\theta} \cdot \frac{1}{(r\cos\theta - tan\theta)}$ 
 $r = \frac{1}{\sqrt{1-cos\theta}} \cdot \frac{1}{\sqrt{1-cos\theta}}$ 
 $r = tan\theta \cdot \frac{1}{cos^2\theta}$ 
 $r = tan\theta \cdot \frac{1}{\sqrt{1-cos^2\theta}}$ 
 $r = tan\theta$