

$$\#10) \quad e = 3 \quad r = -6 \csc \theta$$

$$r = -6 \csc \theta \Rightarrow r \sin \theta = -6$$

$$y = -6$$

$$r = \frac{ed}{1 - e \sin \theta} = \frac{3(6)}{1 - 3 \sin \theta} = \frac{18}{1 - 3 \sin \theta}$$