

To go from single equation form to parametric form,  
introduce a parameter.

Ex.  $x^2 + y^2 = 9$       Let  $\begin{cases} x = 3 \sin t \\ y = 3 \cos t \end{cases}$

or  $\begin{cases} x = 3 \cos t \\ y = 3 \sin t \end{cases}$  or ...

To go from parametric form to single equation form,  
eliminate the parameter (if you can).

Ex:  $\begin{cases} x = \cosh t \\ y = \sinh t \end{cases}$

Using  $\cosh^2 t - \sinh^2 t = 1$ ,  $x^2 - y^2 = 1$ .