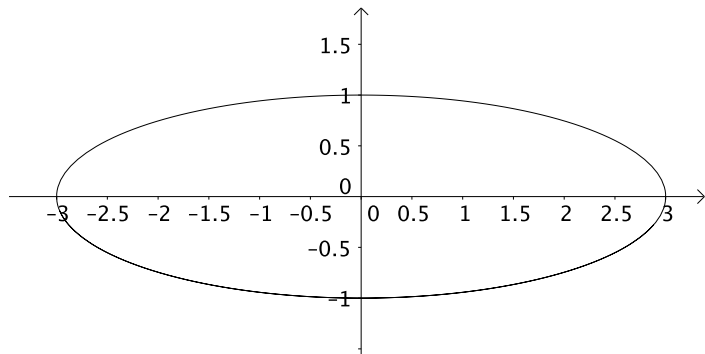


# Some notes from class

2018-02-26

## Example of a parametric formula

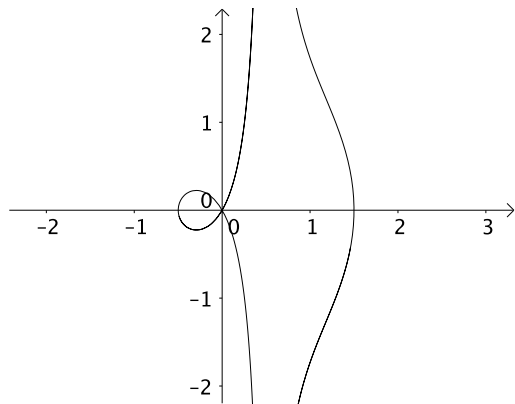
$$x = 3 \cos t, \quad y = \sin t$$



(Sometimes write  $x(t) = 3 \cos t$ ,  $y(t) = \sin t$ .)  
We call  $t$  a *parameter*.

# Example of a parametric formula

$$x = \frac{1}{2} + \cos(t), \quad y = \frac{1}{2} \tan(t) + \sin(t)$$



# Example of a parametric formula

$$x = \frac{3t}{1+t^3}, \quad y = \frac{3t^2}{1+t^3}$$

