

$$x^2 + y^2 = -8x - 6y$$

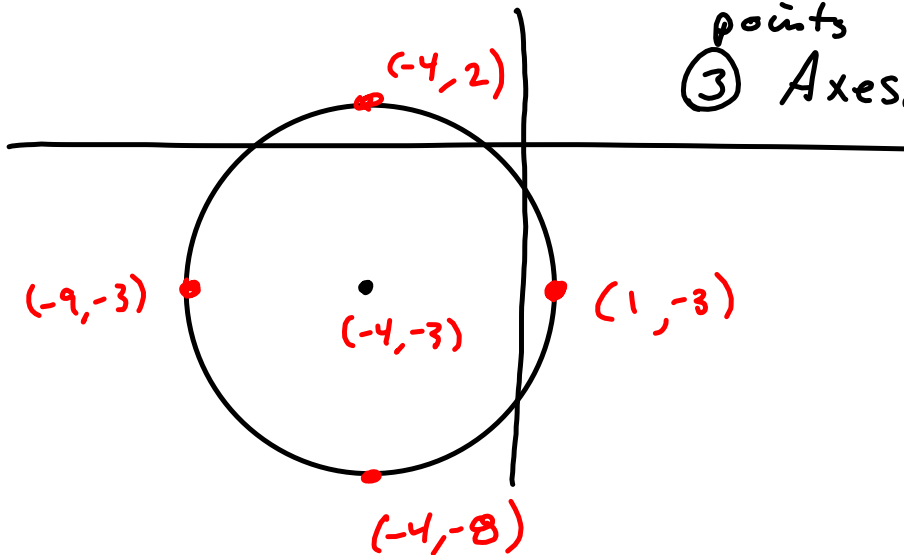
$$x^2 + 8x + y^2 + 6y = 0$$

$$x^2 + 8x + 4^2 + y^2 + 6y + 3^2 = 0 + 16 + 9$$

$\downarrow$                        $\downarrow$   
 $\frac{8}{2} = 4 \rightsquigarrow 4^2$        $\frac{6}{2} = 3 \rightsquigarrow 3^2$

$$(x+4)^2 + (y+3)^2 = 25$$

$$(h, k) = (-4, -3), r = 5$$



Sketch:

- ① Peg down center.
- ② Nail antipodal points
- ③ Axes. (Roughly)