

$$6. \quad r \sec A = 6$$

$$\frac{r}{\cos A} = 6$$

$$r = 6 \cos A$$

$$r(r) = r(6 \cos A)$$

$$r^2 = 6r \cos A$$

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

$$\rightarrow x^2 - 6x + y^2 = 0$$

$$x^2 - 6x + 9 + y^2 = 0 + 9$$

$$(\underline{x-3})^2 + (\underline{y-0})^2 = \underline{9}$$

$$h=3$$

$$k=0$$

$$r = \sqrt{9}$$
$$r=3$$

$$\left(-6 \cdot \frac{1}{2}\right)^2$$

$$\frac{(-3)^2}{9}$$

CENTER: (h, k)

(3, 0)

