Graph the solution to each system of inequalities in a coordinate plane.
*1) $3 x+2 y<6$
$x>0 \longleftarrow$ vertical
$y \geq 1 \leftarrow$ horizontal

$$
3 x+2 y<6
$$

$$
\frac{2}{2} \ll \frac{-3 x}{2} x+\frac{6}{2}
$$

$$
y<-\frac{3}{2} x+3
$$


circle $(0,0) r=5 \quad(x-h)^{2}+(y-k)^{2}=r^{2} \quad(h, k)_{\text {center }}$
*2) $x^{2}+y^{2}<25$
$\ln e^{y} \sum_{1}$
$y \geq \ln x$

Work for calculator
$x^{2}+y^{2}<25$
$\sqrt{y^{2}}<\sqrt{25-x^{2}}$
$|y|<\sqrt{25-x^{2}} \quad y<+\sqrt{25-x^{2}} \quad-\frac{1}{y}>-\sqrt{25-x^{2}}$


Note, the $\ln x$ graph does not extend into Quadrants II or III because of the domain.


