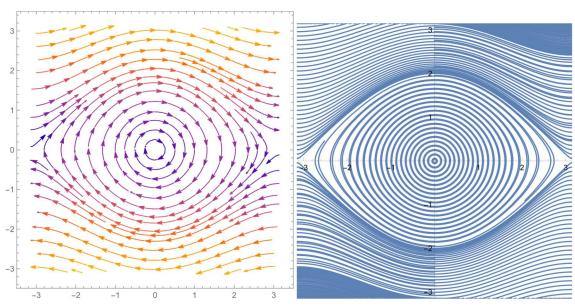
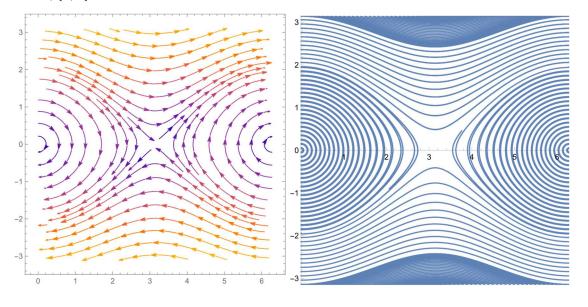
	Det(A)	Tr(A)	$Det(A)^2 - 4Tr(A)$	Classification	(x*, y*)
$\sigma = 0$	+, -	0, 0	- <i>,</i> +	Center, Saddle	$(0,0),(\pi,0)$
$\sigma < 2$	+, -	-, -	-, +	Spiral Sink, Saddle	$(0,0),(\pi,0)$
$\sigma = 2$	+, -	-, -	0, +	Degenerate Sink, Saddle	$(0,0),(\pi,0)$
$\sigma > 2$	+, -	-, -	+, +	Sink, Saddle	$(0,0),(\pi,0)$

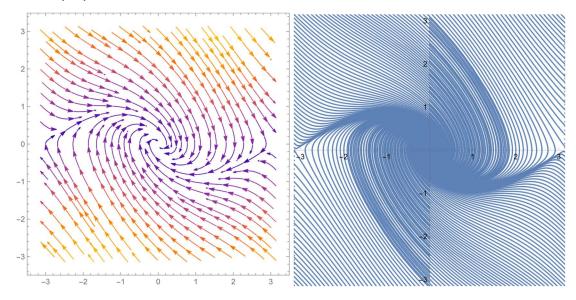
 $\sigma=0,(0,0)$



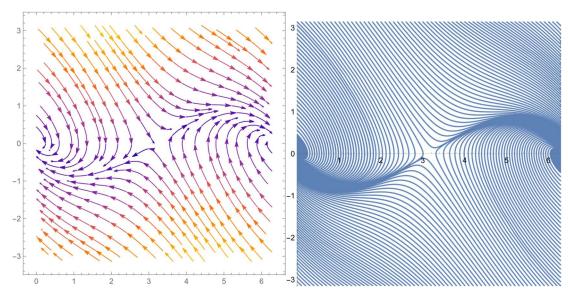
 $\sigma = 0$, $(\pi, 0)$



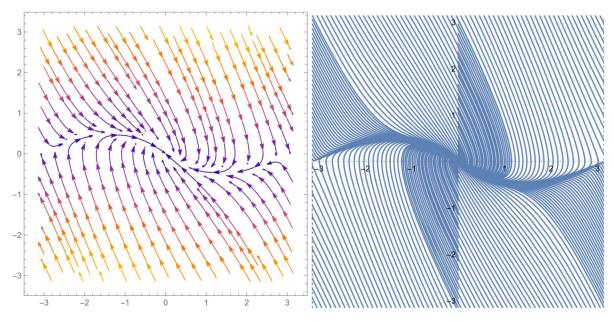




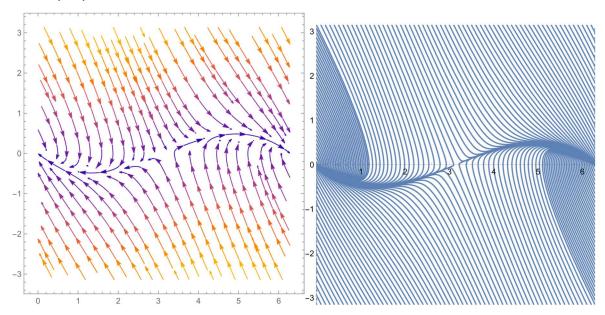
$\sigma = 1$, $(\pi, 0)$



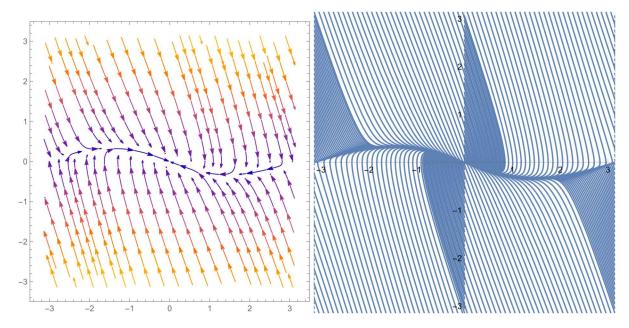




$\sigma=2,(\pi,0)$







$\sigma=3,(\pi,0)$

