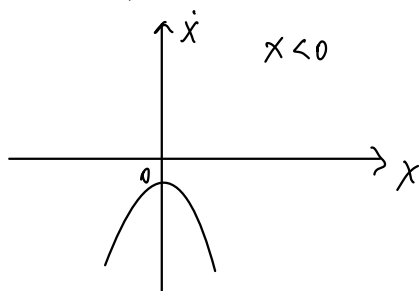
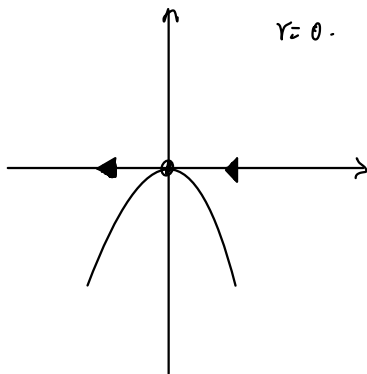


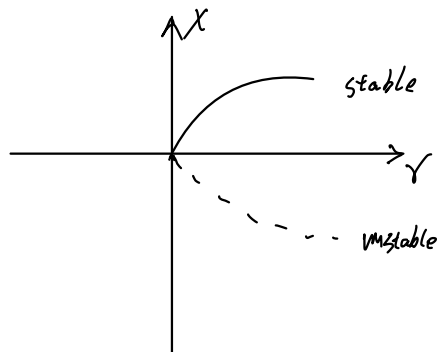
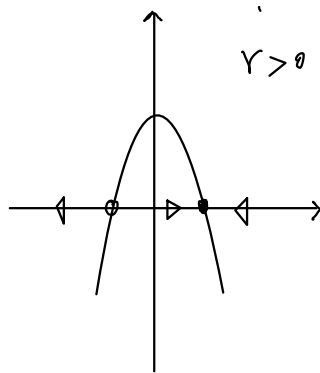
3.4.5.  $\dot{x} = r - 3x^2$ .

this curve is saddle-node



$r - 3x^2 = 0$ .

$x = \sqrt{\frac{r}{3}}$  or  $x = -\sqrt{\frac{r}{3}}$



when  $r=0$  exchange stability