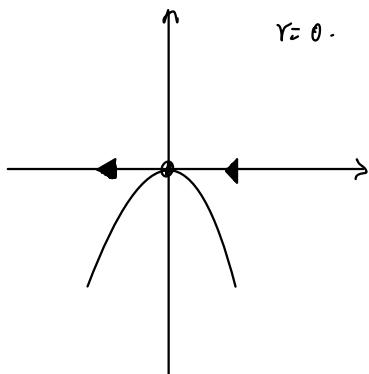


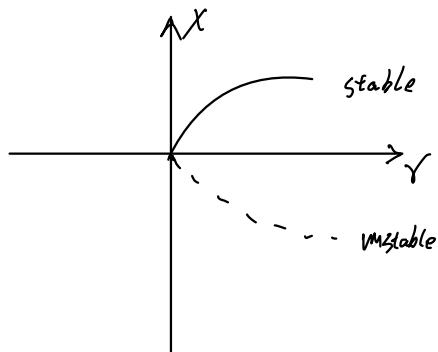
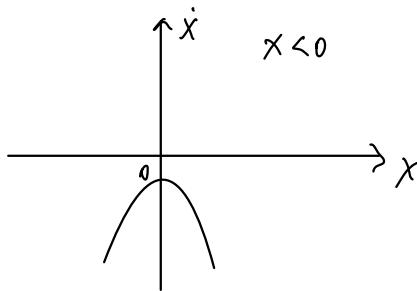
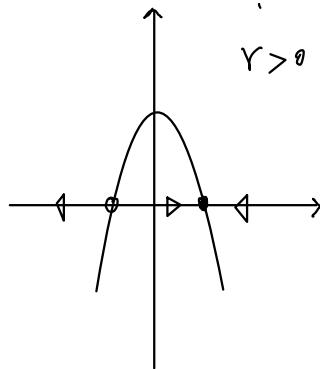
$$3.4.5. \dot{x} = r - 3x^2.$$

this curve is saddle-node



$$r - 3x^2 = 0.$$

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



when $r=0$ exchange stability