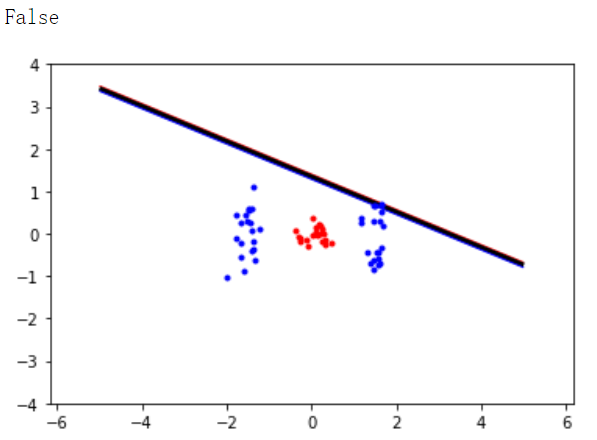
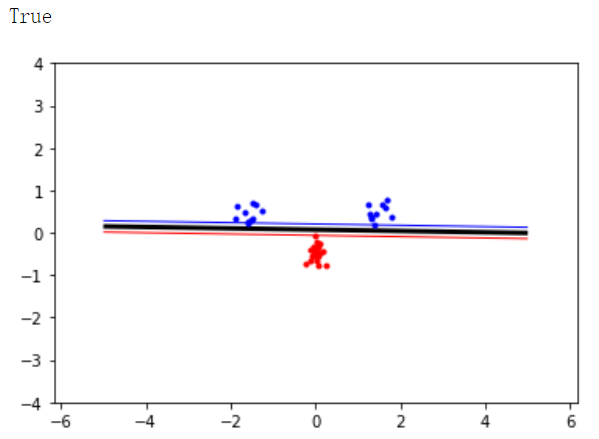
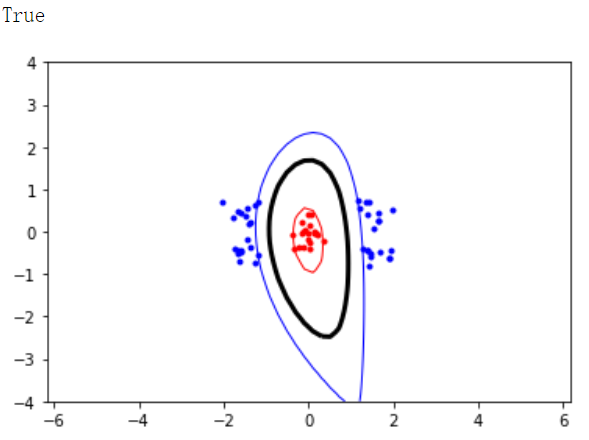
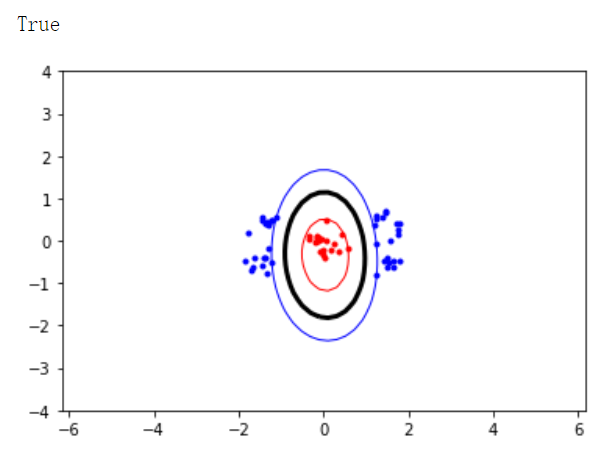
1.

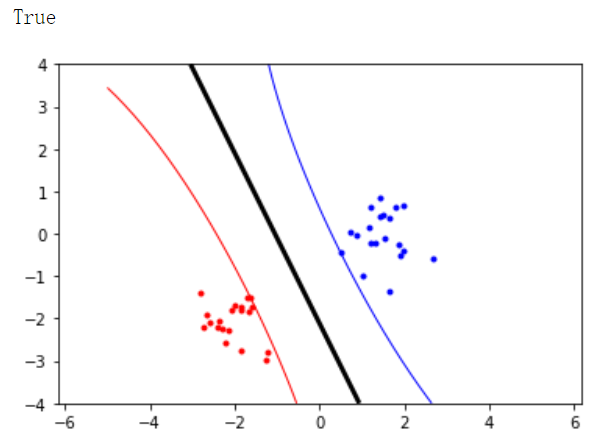
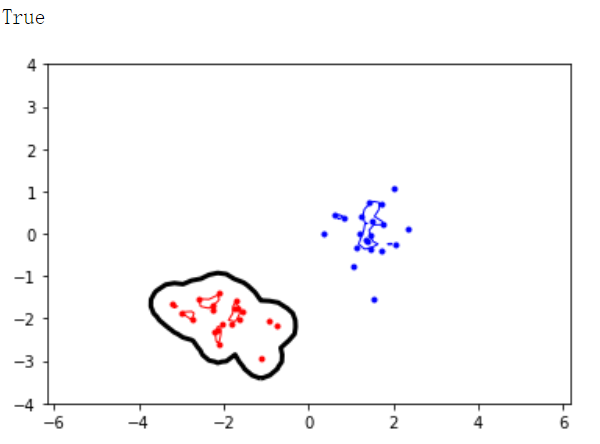


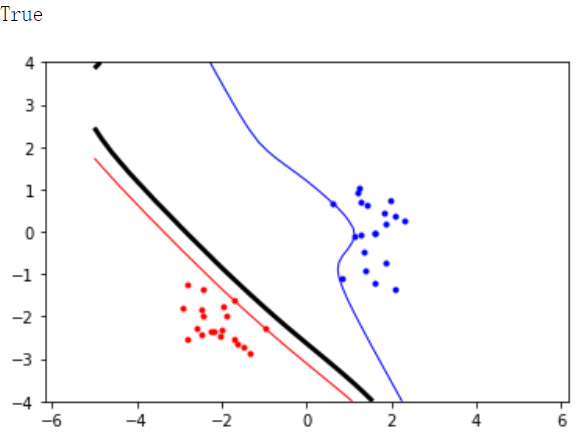
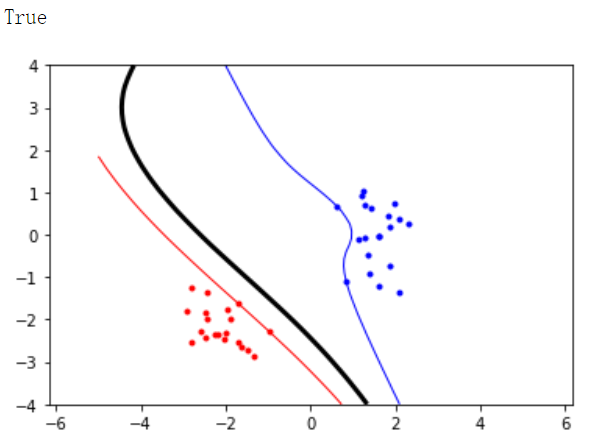
2.



Left:RBF (σ=2) Right:Polynomial (p=3)

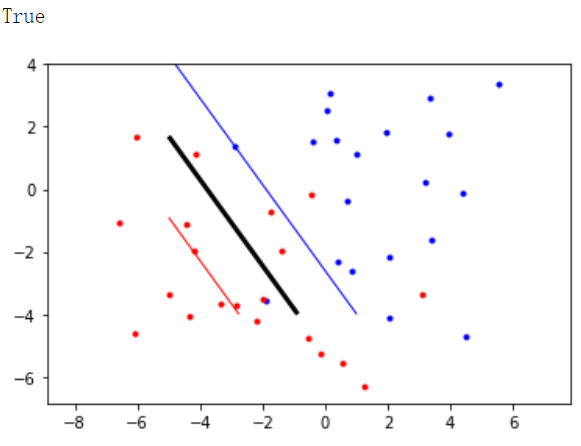
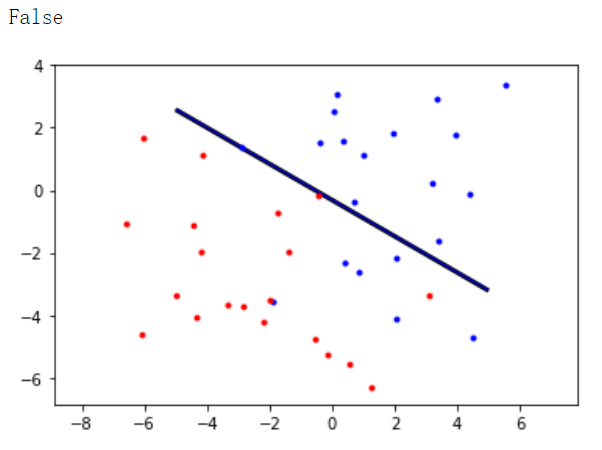
3.

σ=0.2(overfit,more variance) σ=6(smoother)



p=3 p=5(overfit)

4.



C=1e6 C=7

5.

It depends on the noise data.