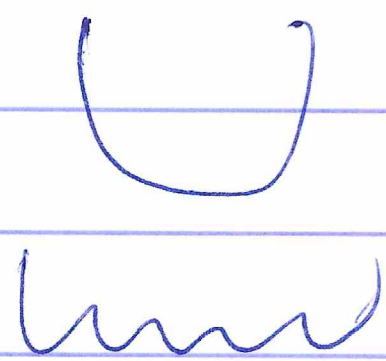
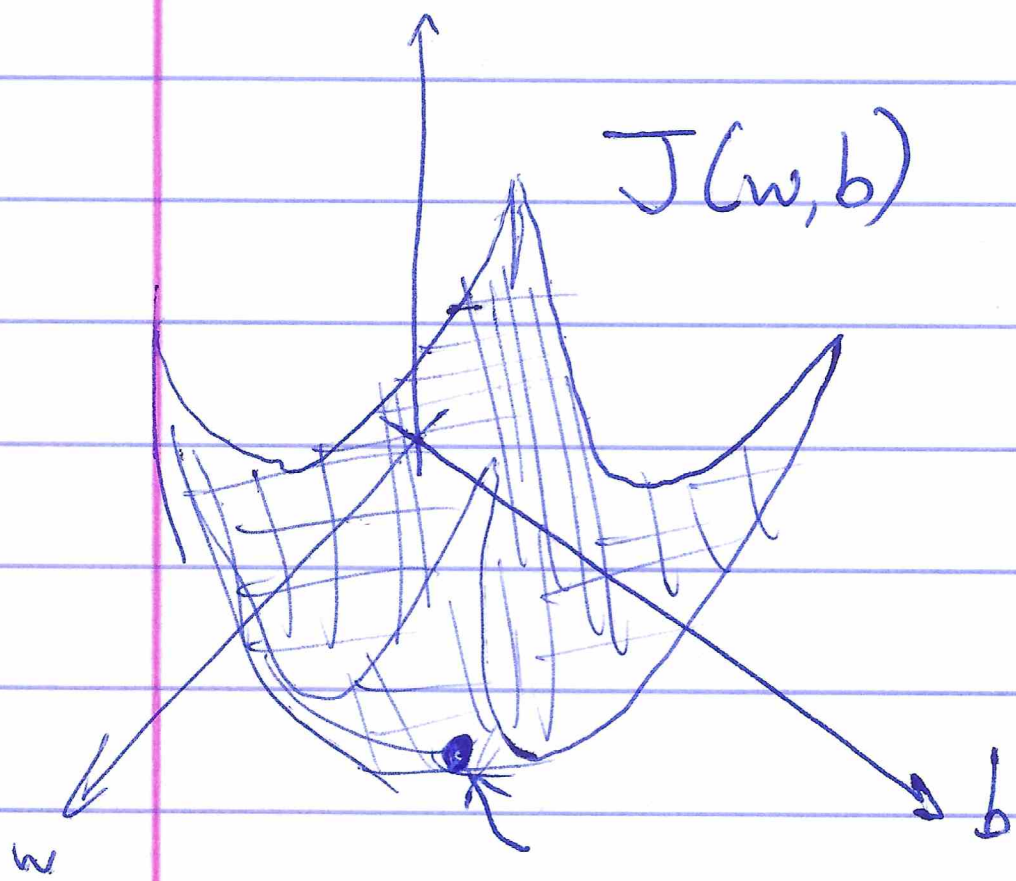
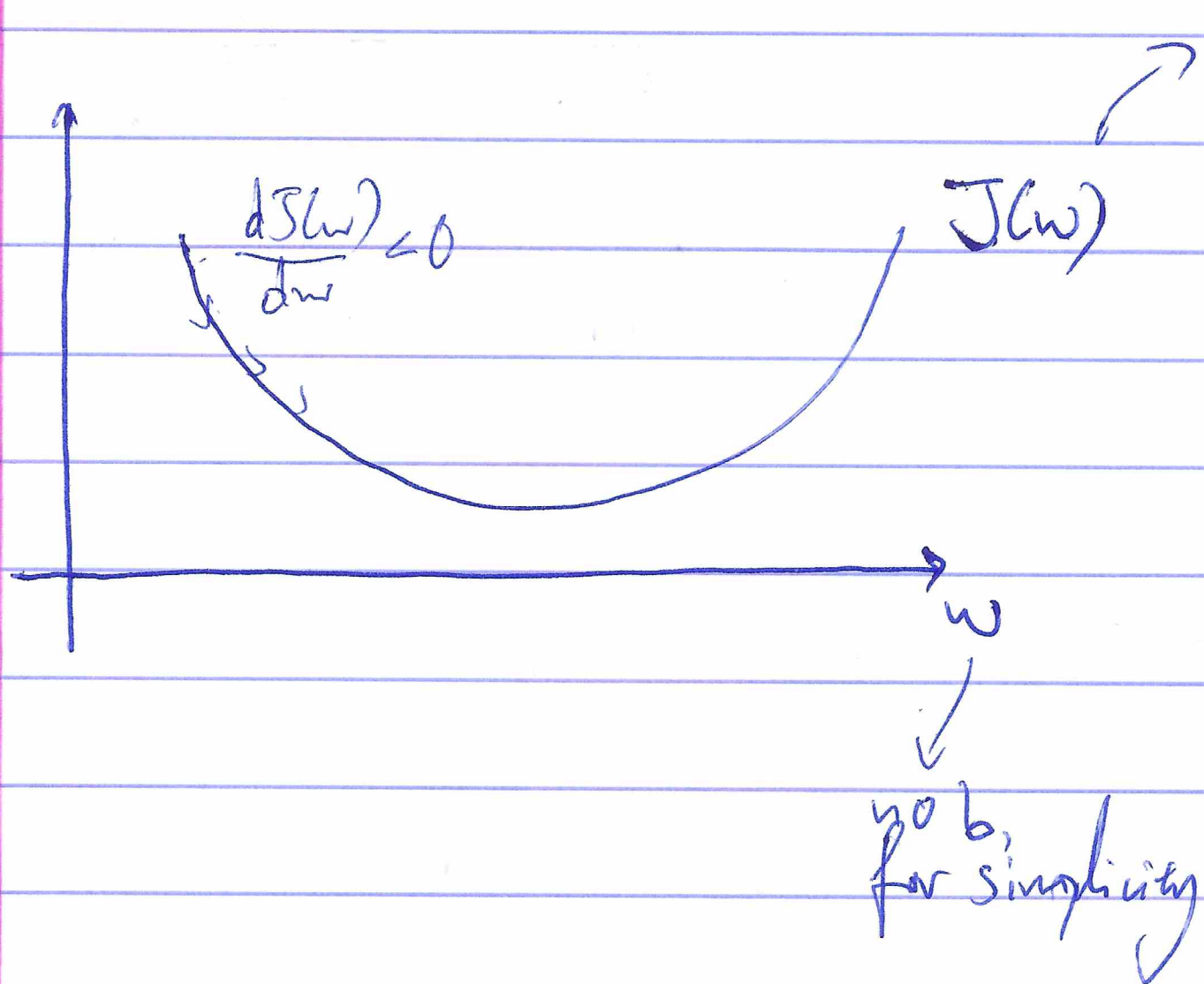


GD



→ convex (1 local optima)



→ want to min.

Repeat {

$$w := w - \alpha \frac{dJ(w)}{dw}$$

}

learn rate

$$b := b - \alpha \frac{dJ(w, b)}{db}$$

db

⊙ → if $J(w, b)$

Derivatives

✓