Gradient Checking We have a function J(b, w) we want to minimize. To do this, we need a function $\sqrt{2} \left(p^{0} \right) = \frac{9m!}{92}$ dJ(b, w, ..., wp) How can we check to be swe or implementation isn't buggy? J(b+E, wy ..., wp) - J(b-E, w, ..., wp) If dJ is implemented correctly, the above should be dJ (b, w, ..., wp).