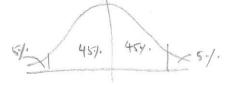
I. Find the average weight of the male. Drawa random sample of 1000 men. Population of men is 1000,000 Average weight in sample is 180 bs Std dividues is 30 Us.

95% CONFIDENCE INTERVAL. of sample = 30 Lbs

Construct 92% confidence interval

$$SE = 0.50 = 0.326$$
 $\sqrt{N} = 0.326$
 $\sqrt{120} = 0.326$

- 3. consumer Advocay group. conducted a survey to find propolion of customers who bought new gen MP3 player, were happy with their purchase?
 - a) How many sample consumers need to estimate p with 2% mongrin of ever and



6)

4. Standard weight of 1 gm. weight 4 this [0.95, 1.02, 1.01, 0.98]

$$X = Z \times / n = 3.96 / 4 = 0.99 (Sample Mean)$$

$$Mpop = 1 gm [Assumption of]$$

$$-2 = 2(x - x)^{2}$$

$$N$$

$$-2 = (-0.04)^{2} + (0.03)^{2} + (0.02)^{2} + (-0.01)^{2} = 0.0016 + 0.0009 + 0.0004 + 0.0004$$

$$-2 = 0.0050$$

$$-3 = 0.0075$$

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$$-3 = 0.007$$

(0.99 ± 2 (0.024))

(0.99 ± 0.054)