Key

$$\bar{x}_{A} = 324...+38 = 36.8$$
 $\bar{x}_{A} = \frac{5}{12} (x_{1} - \bar{x}_{A})^{2} = 26.7$

$$\overline{X}_{B} = 33 + ... + 38 = 33 - 8$$
 $\overline{X}_{B} = 33 + ... + 38 = 33 - 8$
 $\overline{X}_{B} = 21 - 7$

[b]
$$n = \left[2 \frac{t_{m_1, m_1}}{w}\right]^2 = \left[2(2-132(26-7))\right]^2$$

a prediction interval:
$$x = \frac{1}{2} \frac{$$

$$\frac{3}{8} \frac{7}{7-149} = \frac{3}{8} \frac{7}{7} \frac{(n_{E})}{3} \frac{3}{8} \frac{7}{7} \frac{(n_{E})}{3} \frac{3}{8} \frac{3}{7} \frac{3} \frac{3}{7} \frac{3}{7} \frac{3}{7} \frac{3}{7} \frac{3}{7} \frac{3}{7} \frac{3}{7} \frac{3}{7$$

[] U = M = 36 VE H = M, 7 38 for a = 0.05 and at 1/ = 38 we want 1-B = 0.9 => B=0.1 We are assuming to lenow 6 = 2 , n =? $n = \left[\frac{6(2x + 2x)}{3} \right]^{2} = \left[\frac{2(1.646 + 1.28)}{36 - 38} \right]^{2}$ = 3-8025 54 IF H = 3 = 3 VS H : 3 + 3 B $F = \frac{3}{4}$ $\frac{26-7}{3} = 1-28$ F = F = 15.98 F 7 F => me fail to rajed H at 1=0-1 9) H= MA= MB VS H:- MA7 MB = H= MA-MB70 For d = 0-1 we have two indep sample swith normality assumed also we don't have & , and small sample size => we will uge two-sample-1-1-4 t = XA-XB = 0-964 13h 3B we have anoppor tail H => if t 7/ t Then we reject the

$$V = \frac{3}{10} \frac{1}{10} \frac{1}{1$$

YN POINS, NM) IN = 36 X = 6.2 5= 9.2 13 H: Waus VS W= M 74.5 for 10:005 I've have along comple Q = 5.2-4.5 = 1-909 for an upper tail 4: 2 - 1- 646 me reject 16 or d=0.05 ab \$7 € 4) Group 1 2 3 4 5 X 0-36 6.33 6.31 0-4 6-33 0-38 0-1 0.13 0-21 0-2 0-09 0-17 6-99 2.79 · 8 1 · 65 1.52 9.19 = 1 Ho = M = M = - = M, vs H = cut level one M is diff 55 E = 51+--+36 = 0-02467 are hors weegent single 5120 4 $55_{1x} = \frac{6}{2} \frac{1}{1} \frac{2}{i} - \frac{1}{x} \frac{2}{x} = \frac{1}{x} \frac{2}{x} = \frac{6}{x} \frac{1}{x} = \frac{27}{x} \frac{1}{x} = \frac{7}{x} \frac{1}{x} = \frac{7}{x} \frac{1}{x} = \frac{7}{x} =$ $55+r=\left[\left[\frac{\left(1-44\right)^{2}+\left(29\right)}{4},...+\left(1.62\right)^{2}}{4}\right]-\frac{1}{27}\left(9.19\right)^{2}\right]=3-1521-3.12820.024096$ 55 T = S5 Tr+ S5 E = 0.048766 ANUVA table 55 MS F we have F = 2.68 freement 5 6-624096 0-00482 4-10145 As F7 F we rejent Error 21 0.02467 0.001175 total 26 0-048766