IC:
$$\times \pm Z_{1-\frac{1}{2}}$$
 \sqrt{m}
 $\Rightarrow \times \pm Z_{0.95} \frac{15}{\sqrt{20}} = 64.3 \pm 1,65 \frac{15}{\sqrt{20}}$

$$\frac{2}{7} = \frac{12}{7}$$
The scale aid to the condition of the condition of

15

$$I(: \times \pm t_{0.95,11} \frac{0.62}{\sqrt{12}})$$
= 2.28 ± 3.106 $\frac{0.62}{\sqrt{12}}$

$$T(_2: \overline{X} \stackrel{?}{=} \underbrace{\{}_{0.05,11} \stackrel{0,62}{\sqrt{117}}$$

(ii)
$$1-\alpha=0.95 = 0.05$$

 $I(z: X = 1,0.025,12) = 0.62$
 $= 2.28 \pm 0.39$

Sousse-re on e on e que ambon X 1 e X2

São nomois

$$\Rightarrow Z_{0.95}\sqrt{\frac{2\sigma^2}{M}} = \frac{\sigma}{5}$$

(3) 1,65
$$\sqrt[4]{\frac{2}{M}} = \frac{1}{5}$$

$$\sqrt{\frac{2}{m}} = \frac{1}{8.25} = \frac{1}{68,06}$$

tralam-re de varioreir aleatories de per dets

			,		
,	1990	Anto	Depois	Dif	Dil = 40
	A	2770	2550	100	
	D	2360	5380	20	SDip 246, 37
	_ (2950	2930	-20 1	→ T (:
	1	2830	28 60	30	1
		E 2250	2320	GF	40-ty;0.05 46.37 juothy.003}
		•			

$$\overline{A} = 8500 + ... + 8030 = 8260$$

$$5_{A}^{2} = \frac{1}{5-1} \left((8500 - 8760)^{2} + \cdots + (8030 - 8760)^{2} \right)$$

$$5^{2}_{B} = \frac{1}{4} \left((7720 - 7930)^{2} + \dots + (7860 - 7930)^{2} \right)$$

$$S_0^2 = \frac{(m_1 - 1)S_A^2 + (m_2 - 1)S_A^2}{m_1 + m_2 - 2}$$

$$33 = \frac{4 \times 63450 + 4 \times 42650}{10-2}$$

$$c>5_p^2 = \frac{63450 + 42650}{2} = 53050$$

(5)

G.L .: 8

t8,0.05

=) I(:

330 ± 270.95

Observere que ha medida que se diminuir a corteza, o mila volo de confision den inni

3-

IC:

$$(91.1-92.3) \pm 1.96 \sqrt{\frac{5.4^2}{50}} + \frac{1.6^2}{50}$$

6

Essagonde a un exercició de proporção binanial.

a)
$$\pi = \frac{x}{x} = \frac{30}{250} = 0.28$$

$$\frac{5}{2}$$
 1 - $\alpha = 0.954$ limite de NAD constitute $\rightarrow \beta$
 $\beta = Z_2 - \frac{1}{2} \sqrt{\frac{0.28(1-0.28)}{2.50}}$

$$p = \frac{41}{500} = 0.082$$
 $m = 500$

$$\frac{11}{150} \cdot p = \frac{30}{150} = 0.2 \Rightarrow m = 150$$

$$= 0.58 \pm 0.125$$

$$= 0.58 \pm 0.125$$

$$= 0.35 \pm 1.65 \sqrt{\frac{\rho(1-\rho)}{2}}$$



13.
$$M = 50$$
 $\overline{x} = 32.98 cl$
 $S = 0.04 cl$
 $1 - 0 = 0.9$
 $\overline{X} = 0.01$
 \overline{X}