$$\pi = \frac{2 \times 10^{\circ}}{2} = \frac{1592.9}{8} = 199.1125$$

As Zobs > Zhable So null accepted.

TI. H1: ML 200 199.1125 . 3D:-E(x:-x) = 170.7085 (Zx:-x) = 4. = -1.895 Etnom + table As, tobs > +0.05,7 50, nou accepted.

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M,

De Ho: ME 75

H1: M775

m=50, 6=5

·· = - - 75 - 5/\(\nabla 50\)

at 5% level of significance

2=1-645

 $-1.1.645 = \frac{\pi - 75}{5/\sqrt{50}}$

·· = 76.162

50, the nejection rejion its (76.16,0)

if my 76.163, we neged the mush

hypotherails.

now the true mean its 77.

-- 2 2 76.162-77 = --1.1834

· P(2) -1.1834) = 1-9(-1.1834)

= 0.881 5

Ho: M,= M2 HA: MITH H2

¥ = 11.17, 7 = 11.9875

variance, 6 = 0.09

-- 7 = 1x-7 = -- 7 = --

 $\frac{11.9875-11.17}{0.92\sqrt{\frac{1}{10}+\frac{1}{8}}}$

5.744

A5, 20057 251., 50, we neject the num hypotheris. 50, two lakerare equally contaminated.

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(b). D= (74-70) + (86-85)+ (98-90) + (-8) +7+4 +10-4 Do = xi-Yi 50 = 150(D:-D) 2 (4-2.75) + (1-2.75) + (8-2.75) + (-8-2.75) + (7-2.75) + (4-2.75) + (10-2.75) -:30 = 6-1586 1.2629 to.05,7 = 1.895 since, tobs ato-05,7, we conclude that jogging have not an effect on the pulse natelo.

Ho: 6 = (0.10) 2 0.01 H1: 6 20.01 the dest statistic in-·2 (m-1) 5 = (50-1) · (0-08) 31.36 - (60=115) x table. X0.1,49 = X0.9849 = 27.69 Osince, 2055 & 20.1, 49 reject the num hypotheris. (8). Ho: P=0.72 H1: P170.72 we know that -7= \mpo(1-Po)

$$\frac{42 - 50 \times 0.72}{\sqrt{50 \times 0.72}(1-0.72)}$$

$$\frac{1.889}{\sqrt{20.95}}$$

$$\frac{43}{\sqrt{20.95}}$$

$$\frac{7}{\sqrt{20.95}}$$

$$\frac{60.95}{\sqrt{20.95}}$$

$$\frac{60}{\sqrt{20.95}}$$

$$\frac{60}{\sqrt$$

$$\frac{2}{2}(x^{0}-\overline{x}) = -1.67 - 0.67 - 0.17 + 0.33 + 0.83$$
 $-1.33 = -0.02$
 $\frac{2}{2}(x^{0}-\overline{x})^{-1} = 5.8334$
 $\frac{2}{2}(x^{0}-\overline{x}) \cdot (x^{0}-\overline{x}) = 0.0625$
 $\frac{2}{2}(x^{0}-\overline{x}) \cdot (x^{0}-\overline{x}) \cdot (x^{0}-\overline{x})$
 $\frac{2}{2}(x^{0}-$

$$\frac{2}{m-2}$$

-los to. 025, 4 = 2.776

tobs 7 to-025,4. be rejected.

€. you have to find the value _ pre 1- 554

594 = 2(4: -7) = 8.115 ×10 4

$$\frac{1.781 \times 10^{-6}}{9.115 \times 10^{-4}}$$

$$= 99.787.$$

$$\frac{10}{5}.$$

$$\frac{$$