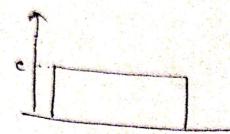
D)
$$P(*) = e$$
 where c is a constant



1 = (considered of A. D. Bulletin) ? - .

3)
$$\mu = 0.08$$
 $\sigma = 0.12$

$$P(z < 0.05) = P(z < \frac{0.05 - 0.08}{0.12}) = P(z < -0.25) = 0.40 *$$

() * The second of the second

$$P(6) = \frac{1}{6}$$

 $P(N+6) = \frac{5}{6}$

$$P(6 < 20 \text{ himes}) = P(6 = 0 \text{ himes}) + P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + P(6 = 2 \text{ himes}) + ... P(6 = 1 \text{ hime}) + ... P(6 = 2 \text{ himes}) + ... P(6 = 2 \text{ himes}$$

4) P (Geithing 6 > 20 limes) = 1 - (P (Getting 6 < 20 times)) P(N+ 6) = 1- ==== P (Getting 6 = 0 times) = (5)100 P(Gretting 6 = 1 times) = $100 \times \left(\frac{1}{6}\right)^{1} \times \left(\frac{5}{6}\right)^{99}$ P(Gelling 6=2 limes) = $\frac{100!}{2!(100-2)!} \times (\frac{1}{6})^2 \times (\frac{5}{6})^{98}$ P (getting 6 = 19 times) = $\frac{100!}{14!(81!)} \times (\frac{1}{6})^{19} \times (\frac{5}{6})^{81}$: P (9 dting 6 > 20 times) = | - { 100 Co (\frac{5}{6})^{100} + 100 C_1 (\frac{7}{6})(\frac{5}{6})^{99} + 100 C_2 (\frac{1}{6})(\frac{7}{6})^{98}} +, + 100 19 (=)19 (=)81 } PLG 270 hims) = 1- PLC = 80 hims) (10 mg 5) \$19 1 (mg 1 -4)] ; (mg 1 -2) 9 = (comb si 2 2) 9 高级生活的分别"代数"。"(意)"

$$P(p) = 0.05$$

$$P(t > 900) = P(z) = \frac{900-800}{50} = P(z > 2) = 1 - P(z < 2)$$

$$= 1 - P(z < 2)$$

$$= 1 - 0.977 = 0.033$$

9)
$$\mu = 1200$$
 $\sigma = 100$

$$\tilde{z} = 1180$$

和= 36

$$Z = 1180 - 1200 = -0.2$$

So, we fail to reject the null that the university's dain is correct

10)
$$n = 40$$
 $\overline{x} = 18.1$
 $s = 1.3$
 $\sigma = 2.1$
 $Z = \frac{18.1 - 19}{2.1} = -0.429$
 $P(z > -0.429) = 1 - P(z < -0.429)$
 $= 1. - 0.336$
 $= 0.664 (> 0.05)$

So, we hill be reject the null that mean age is at least 19

Marin Harris Andrews Comment

的对方可约4

1.0