

Họ và tên SV: Nguyễn Hợi Đơng.

Mã số SV: 2012 909 9

Ngày thi: Giờ thi

428 p~ (10 i2); = X-10
a l(x) x = 0.5
$c=1 \Lambda - P(X(x) = 0, $
$(=)$ $P(\times(x) = U_1)$
(=1 P(Z \ Z) = 0, \((=), \ Z = 0 \) (=) X=10.
6. P(X>x) =0195
(x/x) = 0/0C
(=) P(Z(z) = 0,05 (=) Z = -1,645
(E) X= 1,684
$S = P(3c \times < 10) = 0.2$
17) P(2 < 2 < 0) = 0, L
= P(Z<0) - P(Z<2) = 0,2 = P(Z<2) = 93
(=) 7×-0,529 =1 7×9,259
d. P(-2<×-10 <x)-0+95< td=""></x)-0+95<>
(=) \$1 28 (O(X-10 (X) =0.95 C=1.P(O(X)-10 (X) =0, 4))
$C=1$ $P\left(0 < \frac{7}{2} < \frac{7}{\sqrt{2}}\right) = 0.415$ $C=1$ $P\left(0 < \frac{7}{\sqrt{2}} < \frac{10}{\sqrt{2}} < \frac{7}{\sqrt{2}}\right) = 0.405$
c>1 P(Z(z+10)-P(Z(0)=014Y)
$c=1P(\frac{7}{7}(\frac{7}{7}(\frac{7}{7}+\frac{10}{12})-P(\frac{7}{7}(\frac{7}{7}))=0.19)\Gamma c_1+\frac{10}{7}\approx 1.16 c_1 2.62$
$\frac{1,506}{1000} = 0,09$ $\frac{1,506}{1000} = 0,095 = 0,995 = 0,095 = 0,000 = 0,0$
4.29 xx4 Xx (6000; 1002) (X là cường thờ neh của mẫu Xi Mary) Pat Z= X-6000
a · p(X ≤ 6150) = p(7< 59.5) ≈ 0,994
b. ρ(58005× ρ(58006× < 5900) = ρ(-2 < 2 < -1) = ρ(2<-1) - ρ(2<-2)
= 0,159 = 0,023 = 0,136
c. p(X (x) =0,05 c) p(7(7)=0,95 c) 7=-1,645 c) x=5935



4.30 pax X lā thi gian cho đến thi cần sạc lại pin ; X~ (260; 502) là 2- X-200
a. P(X) 240) = 1- P(X 5 240) = 1- P(Z5-0,4) =1-0,345 × 0,65T
b. P(X(x) = 0, 25 =) P(7 < 2) = 0, 25 => 2= -0, 684 => x = 226, 3.
P(X(x) = 0,) (=, p(Z(+) =0,) =1 == 0,684 =, x = 293, y
C-P(X)x) = 0,95 = 11-P(X (Z) = 0,95
(=) P(X(Z) =0,05 (=) Z=-14,645 (=1 x=17)25.
4.31 Pai X lā fing muc chologeral: $Y \sim (1/9, 2; 6^2) \text{ vā } p(x \angle 200) = 24.1\% \text{ Dai } Z \xrightarrow{\times 15}$ $q = \int (200) \frac{1}{6} \frac{200}{6} \frac{1}{6} \frac$
a h (7/ 40/8 727) a cur 40/1 1 2005 -> 6~00 CCY:
b (26) = 0,841 (2) = 0,996 (2) (2)
b. p(X(x) = 4.25 = 1 (2(z) = 0,25 =) 7= -0,689=) 2= 131,66
p(X(x) = 0,35 = 1) p(7(2) = 0,25 = 1.2 = 0,94 = 1.1 = 116, 3.34 = 1.2 = 0.94 = 1.2
(C - P(X > x) = 0.9 = 1 P(X < x) = 0.1 = 1 P(Z < z) = 0.1 = 1 = 14.282 = 12.22 = 104.82
d. P(22416(X (200, 052)) > P(X \$ 200,052) + P(XX } 2,486)
1=P(2<1) +P(2<-2)=1-0,841+0,023-6,182
e-P(XXxxxx, 4+26) = 1-P(X < ,4+20)
$=1-\frac{1}{2}(2<2)=1-\frac{1}{2}(2)=0$
4.32 Y~ (0,001; 0,05); Pol 7- X-0,000
a P(-0.1 < X < 0.1) = 2 P(X < 0.7) = 2 P(X < 0.7) = 2 (P(X < 0.7) = P(X < 0.1))
- 2 (0,54-0,5)=0,08:
6 Goi to la & san phân dat yêu cat IT~ B(n, 0,08).
p(T 30 15TC3) = P(T=1) + p(T=2) + p(T=3)
$\frac{p(T \ge 4.1 \le T \le 3)}{\sum_{i=1}^{3} C_{i}^{i} p^{i} (1-p)^{3\tau^{i}} = 0.221.}$
1