Leigne 18 Apr 23, 2015 Presh 291 Nost Brail Name Cong. r.v. X2 ((a,b) := 1/2 Syp(x) = [2,6] Parm space: 9<6 9,6 ER Crinform Cont. Intogre of dixerte confin all #'s beam a, 6 me call Is it ar.v? Sada = 1? $\int_{b-q}^{1} dx = \int_{b-q}^{1} \left[x \right]_{q}^{b} = \frac{b-q}{b-q} = 1$ F(x) = | f(x) = x + C Sohe for (... F(9) = 0 = $\frac{1}{b-q} + (=0) \Rightarrow (=-\frac{1}{b-q})$ $= F(x) = \frac{x}{b-q} - \frac{q}{b-q} = \frac{x-q}{b-q}$ X~V(0,1) He Std Gurfom" ght me a vindan # betner O,1, Most rypanser to CS, (Morts, Rollin ();
Trum) f(x) = 1, F(x) = x Syper single! $M := F(X) = \int_{X} f(x) dx = \int_{Q} \frac{1}{2} \int_{Q} f(x) dx = \int_{Q} \frac{1}{2} \int_{Q} \frac{1}{2$ $\sqrt{m(X)} = \int (x-m)^2 f(x) dx = E(X^2) - m^2 = \int x^2 f(x) dx - \left(\frac{b+n}{2}\right)^2 = \frac{1}{b-n} \left(\frac{x^3}{3}\right)^b - \left(\frac{b+n}{2}\right)^2$ = 3620 - 52,206.00 =

() ohn coords.

() ohn coords. - CO868+ 51768 = 1 2 ~ Worl) == = = = 500 = 18 Sen 12 W. Jeg Sen Jen J. Mor [grot brul me r. v. the Std. nound! = 29 f re-r21 15 this , POF? = 1 g e-ld = TF [-e-a] = TF V Tuye x2+x2 = 42 = (Costa rolde) Ray 2 34 14 = 87 Xe-2- 4 Odom relosos good shill to han!! 726-296+ 26-926+296-29= (90+24+29)(w-9) => SE(X) = 5-4 deliver proceeding: 63-93 = ? polynomik Com 4P2+49+38-38+64-39 26+942+29 75+6429 926-296 960 21 = 362-26+29 = 21 = 362-26+29 = 926 + 26- (260) Checke this .. det 5pt 5d 29 pt 60-

Per $\times \sim U(a,b)$, $Y = c \times + d \sim U(cq + d, cb + d)$ $F_{Y}(x) = P(Y \leq x) = P(c \times + d \leq x) = P(x \leq \frac{x - d}{c}) = F_{x}(\frac{y - d}{c})$ $f_{Y}(x) = \frac{d}{dx} F_{Y}(x) = \frac{1}{c} \frac{d}{dx} F_{x}(x) = \frac{1}{c} f_{x}(x) = \frac{1}{c} \frac{1}{b - a}$

ZAMO,) From HW & reedl show. $X = \sqrt{2} + m$ $E(X) = \sqrt{2} \sqrt{2} + m = m$ $\sqrt{2} \sqrt{2} = \sqrt{2} \sqrt{2} = \sqrt{2} \Rightarrow SE(X) = \sqrt{2}$ How is X diger? Syp(X) = R soill. $F_{X}(x) = P(X = x) = P(Z = x) = P(Z = x) = F_{Z}(x)$ By denig has $f_{X}(x) = \frac{1}{dx} \left[F_{X}(x) \right] = \frac{1}{dx} \left[F_{Z}(x-\alpha) \right]$ let $4 = \frac{x-\alpha}{\sigma} = \frac{1}{dx} = \frac{1}{\sigma} \Rightarrow 4x = \sigma k_{x}$ $= \frac{1}{6} \frac{d}{d\eta} F_{2}(\eta) = \frac{1}{6} f_{2}(\eta) = \frac{1}{6} \frac{1}{\sqrt{2\eta}} e^{-\frac{1}{2}} = \frac{1}{\sqrt{2\eta} c^{2}} e^{-\frac{1}{2}(x-\eta)^{2}} = \frac{1}{\sqrt{2\eta} c^{2}} e^{-\frac{1}{2$ dering of gent Nant 1.4, X2 My, 62) but uly is the normal density so portano ???? Noit two lectures.... We recol to brill some tools to andersome the normal density let L(+):= Se-tx f(x) dx Bilatel Laplace Transform 1 R
"Integran X Ono"

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A finishin of to The an apensor" on furtion for if I am L(1) = Sexferda

