



Ex (. (a) P(coror(x) = min & P(w. (x), P(w. (x))) = V(unin & P(we) x), P(we (x) 3) E V P(Wa(x)-P(Welx) (6) POWERS = SPORTOFIX ACX = STEWALX) POWER) POXI dx = TP(and PCw2) SVP(x1w1) P(x1w2) TPCx)2 dx = (P(w) PCV) ((x) 1 41+(E) 0×p (-4(x-11) - 4(x-11) - 4(x+11) TE (x+11) 1d. = 10(4) PCV2) SIE 15 det (E) exp (-1/4 = 1/2 -1/2 - x T E' 1/4 + x T E' 1/4 +xTE-1x +xTE-1x + xTE-1x + xTE-1x / dx = (PCur) PCure) exp(-2 nTE" u) } [2x) 4 4+(E) exp(-2 x 7 E" x) dx = \P(w_1)P(w_2) exp(-\frac{1}{2} ut 5 m) \ Sw (0, E)dx = \P(w_1)P(w_2) exp(-\frac{1}{2} u T 5 m)