32 Monte Carlo Methods +Invert CDF PDF -> CDF triangular dist. f(x)) find line (14,1/3) A=1=1/2 bh = 1/2 (b) h : h=1/3 h = ? = 1/38 AX= 6 14 f(x)= 1/18 (X-B) paf $f(x) = \frac{1}{18}(x-8)$ cdf $F(x) = P(X(x)) = \int_{R}^{x} (\frac{1}{18}y - \frac{8}{18}) dy = \frac{1}{3}y + \frac{2}{8}y = \frac{8}{18}y$ = 1/36x2-8/18x-8/36+8/18(8) = 1/36 X2-8/18X +32/18 complete the square X= B+ 364

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