Compute the median of an Exp(x) distribution The P.D.F of exp(x) distribution 1, 73 f(x) = / = /x 7 The C.D.F of exp(x) is 7 $F(X) = \left\{ \begin{array}{ccc} 1 - e^{\lambda x} & x & x & y & y \\ 0 & x & z & z & z \end{array} \right\}$ Since Q(P) = F(P) $8(p) = -ln(1-p), 0 \le p \le 1$ 3 for median b=1/2 = & (/2) = Median = -ln (1-1/2) =3