

MATH 451/551

Chapter 3. Random Variables

3.3 Cumulative Distribution Function

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Example 5



Find the cumulative distribution function for the random variable X with probability mass function

$$f(x) = x/10, \quad x = 3, 7.$$

Example 6



Find the cumulative distribution function for the random variable X with probability density function

$$f(x) = 2x, \quad 0 < x < 1.$$

Example 7



Find the cumulative distribution function for the random variable X with probability density function

$$f_X(x) = \begin{cases} 1-x & 0 < x < 1 \\ 1/4 & 5 < x < 7 \end{cases}.$$

Thank You



THANK YOU!