

Homework 2

April 16, 2012

Exercises:

1. We have a density function of an random variable X , defined as

$$f(x) = \begin{cases} \frac{7-2x}{2}, & 2 < x < 3, \\ 0, & \text{else} \end{cases}$$

Calculate:

- (a) $P(X \leq 2\frac{1}{2})$
 - (b) $F(x)$
2. Book (pp. 91-92): Exercises 3.6, 3.24
 3. Book (pp. 70-71): Exercises 2.80, 2.84
 4. Book (pp. 104-105): Exercises 3.40, 3.44

Solutions have to be brought to the lecture on April 24 and delivered before 13:40.