

Math 382, Fall 2011. Homework 15
Due Oct. 20

NAME -----

Notes: Chapter 4, Problems 19, 20, 21

Problem 15A.

The lifetime of refrigerators is assumed to follow Weibull distribution with parameters $\beta = 7$ years and $\gamma = 4$.

Find:

- a) The proportion of refrigerators with lifetime between 2 and 5 years.
- b) If a refrigerator has already worked for 5 years, what is the probability that it will work for at least 3 more years?