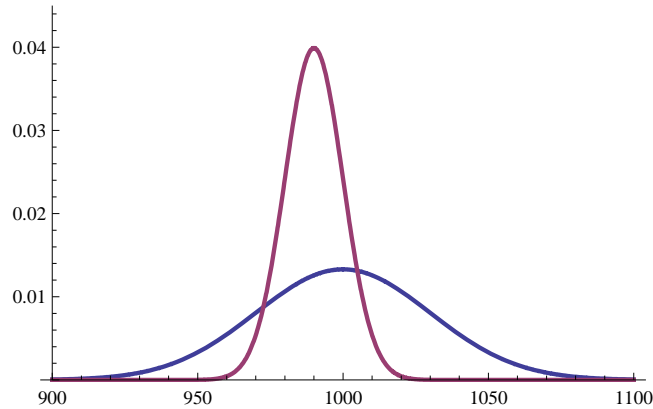


## Homework Solutions

### Chapter 6 – Page 376

#### Exercise 15

(a) The graphs of Brand A (low, wide graph) and Brand B (tall, skinny graph):



(b) To decide which brand to buy, she should calculate the probability that the brands last at least 980 hours. For Brand A, that is  $\text{normalcdf}(980, E99, 100, 30) = 0.7475$ . for Brand B, that is  $\text{normalcdf}(980, E99, 990, 10) = 0.8413$ . Therefore, the woman should buy Brand B.