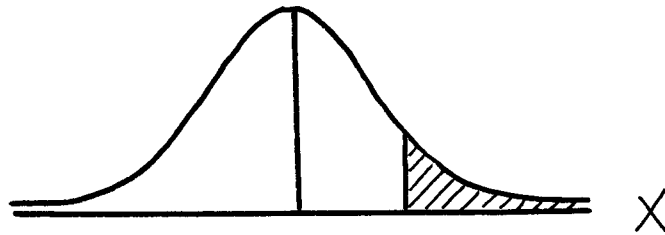


2.3 The length of time required to assemble a photoelectric cell is normally distributed with a mean equal to 18.1 minutes and a standard deviation of 1.3 minutes. What is the probability that it will require more than 20 minutes to assemble a cell?

Find probabilities in a non-standard normal distribution.



$$P(x > 20) = \text{normalcdf}(20, 1E99, 18.1, 1.3) \approx 0.0719$$

STUDY: Chapter 5: Section 5.3
• Normal probability distributions