

Math 13 Chapter 6 Overview

1) Given that $\mu = 50$ and $\sigma = 4.2$ use Table A-2 to help solve the problems below.

a) Find the probability that a score is over 55.

b) Find the probability that a score is between 48 and 57.

c) Find the probability that the mean of 8 scores is under 56.

d) Find the probability that a score is under 40.

e) Find the score need to get into the top 4%.

2) 77% of Americans claim Christianity as their religion. Suppose that a survey of 250,000 Americans was taken. Find the probability that at least 193,000 of them would claim Christianity as their religion.