

Provide an appropriate response.

- 17) Find the z-score for which 70% of the distribution's area lies to its right. 17) _____
A) -0.98 B) -0.47 C) -0.81 D) -0.53
- 18) For the standard normal curve, find the z-score that corresponds to the 30th percentile. 18) _____
A) -0.98 B) -0.47 C) -0.53 D) -0.12
- 19) IQ test scores are normally distributed with a mean of 100 and a standard deviation of 15. Find the x-score that corresponds to a z-score of 2.33. 19) _____
A) 142.35 B) 134.95 C) 125.95 D) 139.55
- 20) Assume that the heights of men are normally distributed with a mean of 67.9 inches and a standard deviation of 2.8 inches. If 64 men are randomly selected, find the probability that they have a mean height greater than 68.9 inches. 20) _____
A) 0.9005 B) 9.9671 C) 0.8188 D) 0.0021

- 1) B
- 2) B
- 3) A
- 4) A
- 5) C
- 6) B
- 7) A
- 8) B
- 9) C
- 10) C
- 11) D
- 12) B
- 13) C
- 14) D
- 15) C
- 16) B
- 17) D
- 18) C
- 19) B
- 20) D