

In-Video Quiz Questions for
Unit 4, Part 2: Power

(07:18)

1. What is the area under the normal curve below $Z = -0.20$, i.e. $P(Z < -0.20)$?
- (a) 0.1586
 - (b) 0.4207
 - (c) 0.5793
 - (d) 0.8414

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2. What is the Z score that marks the 80th percentile of the normal curve?
- (a) -0.84
 - (b) 0.21
 - (c) 0.79
 - (d) 0.84

Answers:

1. b

Explanation: Use a table or R to calculate the area under the normal curve below $Z = -0.20$. This number must be less than 0.5, and the area will not be very small since -0.20 is pretty close to 0.

2. d

Explanation: The value must be positive. Use a table or R to find the cutoff Z score where the tail area below it is 80%.