1. The center of a normal curve is

## MULTIPLE CHOICE

	<ul> <li>a. always equal to zero</li> <li>b. is the mean of the distribution</li> <li>c. cannot be negative</li> <li>d. is the standard deviation</li> </ul>							
	ANS: B	PTS: 1	TOP: Continuous Probability Distributions					
2.	<ul> <li>2. A normal distribution with a mean of 0 and a standard deviation of 1 is called</li> <li>a. a probability density function</li> <li>b. an ordinary normal curve</li> <li>c. a standard normal distribution</li> <li>d. None of these alternatives is correct.</li> </ul>							
	ANS: C	PTS: 1	TOP: Continuous Probability Distributions					
3.	In a standard norma. 0.5 b. equal to 1 c. at least 0.5 d. 1.96	nal distribution, the	probability that Z is greater than zero is					
	ANS: A	PTS: 1	TOP: Continuous Probability Distributions					
4.	For any continuous specific value is a. 1.00 b. 0.50 c. any value betted. almost zero		the probability that the random variable takes on exactly a					
	ANS: D	PTS: 1	TOP: Continuous Probability Distributions					
5.	<ul> <li>Which of the following is <b>not</b> a characteristic of the normal probability distribution?</li> <li>a. The mean, median, and the mode are equal</li> <li>b. The mean of the distribution can be negative, zero, or positive</li> <li>c. The distribution is symmetrical</li> <li>d. The standard deviation must be 1</li> </ul>							
	ANS: D	PTS: 1	TOP: Continuous Probability Distributions					
6.	<ul> <li>Larger values of the standard deviation result in a normal curve that is</li> <li>a. shifted to the right</li> <li>b. shifted to the left</li> <li>c. narrower and more peaked</li> <li>d. wider and flatter</li> </ul>							
	ANS: D	PTS: 1	TOP: Continuous Probability Distributions					

7.	<ul> <li>7. For a normal distribution, a negative value of z indicates</li> <li>a. a mistake has been made in computations, because z is always positive</li> <li>b. the area corresponding to the z is negative</li> <li>c. the z is to the left of the mean</li> <li>d. the z is to the right of the mean</li> </ul>								
	AN	S: C	PTS:	1	TOP:	Continuous Probability Distributions			
<ul> <li>8. The standard deviation of a standard normal distribution</li> <li>a. is always equal to zero</li> <li>b. is always equal to one</li> <li>c. can be any positive value</li> <li>d. can be any value</li> </ul>									
	AN	S: B	PTS:	1	TOP:	Continuous Probability Distributions			
9.	If the a. b. c. d.	the standar the variance a mistake h cannot be n		because the mean of a normal distribution					
	AN	S: D	PTS:	1	TOP:	Continuous Probability Distributions			
10.	<ul> <li>a. one standard deviation to the right of the mean</li> <li>b. two standard deviations to the right of the mean</li> <li>c. approximately three standard deviations to the right of the mean</li> <li>d. the mean</li> </ul>								
	AN	S: D	PTS:	1	TOP:	Continuous Probability Distributions			
<ul> <li>11. A standard normal distribution is a normal distribution</li> <li>a. with a mean of 1 and a standard deviation of 0</li> <li>b. with a mean of 0 and a standard deviation of 1</li> <li>c. with any mean and a standard deviation of 1</li> <li>d. with any mean and any standard deviation</li> </ul>									
	AN	S: B	PTS:	1	TOP:	Continuous Probability Distributions			
12.	Z is a. b. c. d.	a standard 0.0483 0.3849 0.4332 0.8181	normal rando	m variabl	e. The P (-1.	$20 \le Z \le 1.50$ ) equals			
	AN	S: D	PTS:	1	TOP:	Continuous Probability Distributions			