Suppose that diastolic blood pressures (DBPs) for men aged 35-44 are normally distributed with a mean of 80 (mm Hg) and a standard deviation of 10.

About what is the probability that a random 35-44 year old has a DBP less than 70?

16%

2.

1.

32%

This	should i	not be selected		
		Quiz 2	3/8 points (37%)	
	22%	Quiz, 8 questions		
	8%			
×	0 / 1 point			
3.				
		e for adult women is normally distributed with a mean of about 1,100 cc for women with a stanc ne 95th percentile?	lard deviation of 75 cc. What brain volume	
0	appro	oximately 1247		
This	should i	not be selected		
	appro	oximately 977		
	appro	oximately 1223		
	appro	oximately 1175		
×	0 / 1 point			
4.				
		orevious question. Brain volume for adult women is about 1,100 cc for women with a standard or random adult women from this population. What is the 95th percentile of the distribution of th		
	appro	oximately 1110 cc		
	appro	oximately 1112 cc		
0	appro	oximately 1115 cc		

This should not be selected

	approximately 1088 cc	
	Quiz 2	3/8 points (37%)
	Quiz, 8 questions	
~	1 / 1 points	
5. You fli	← p a fair coin 5 times, about what's the probability of getting 4 or 5 heads?	
	12%	
	3%	
	6%	
0	19%	
Corr $\binom{5}{4}$	$2^{-5} + {5 \choose 5} 2^{-5} \approx 19\%$	
:	1 pbinom(3, size = 5, prob = 0.5, lower.tail = FALSE)	
	1 ## [1] 0.1875	
×	0/1 points	
standa	spiratory disturbance index (RDI), a measure of sleep disturbance, for a specific population has a mean of 15 (sle ard deviation of 10. They are not normally distributed. Give your best estimate of the probability that a sample m en 14 and 16 events per hour?	
	68%	

47.5%

Correct

3/8 points (37%)

ro ro