Name:					Statistics
Date:					Practice Quiz 8-D
1. State the critic a) right-tailed	al value(s) for	the following $\chi^2$ te	ests of a single varia	nce with a sample	size of 20.
For df =	in the	column, $\chi^2_{\bigcirc}$ =			
o) left-tailed					
For df =	in the	column, $\chi^2_{\bigcirc} =$			
) two-tailed					
or df =	, in the	column, $\chi^2_{O}$ =	, and in the	column, $\chi^2_0 =$	
a) How many degrees  If =   b) What are the critical	=				
For df =	, in the	column, χ <sup>2</sup> =	, and in the	column, $\chi^2_0 =$	
The population variance bei	standard deviation $\sigma^2 = $	a, and mark it on the curv			
ne calculated sample varia	nce is 92	2 =			
There are	_ degrees of freedom.				
χ² =(	) = _				
e) Are the data statistic	cally significant?				
, b	ecause the calculated v	alue of $\chi^2$ is	than		
) State the conclusion	, followed by $\chi^2(df)$	and a range for <i>p</i> .			
The standard deviation of s	hipment weights with th	ne new loader is	than 15.5 kg, χ²(	) =	, p05.
g) What would the cor	nclusion have beer	if the answer to (d) had	been $\chi^2 = 24.04$ ?		
The standard deviation of s	hipment weights with th	ne new loader is	than 15.5 kg, $\chi^2$ (	) =	, p05.
າ) What would the cor	nclusion have beer	if the answer to (d) had	been $\chi^2 = 14.04$ ?		
				, χ <sup>2</sup> () = _	,p .O5