Chapter 1.3 Experiment Scenarios

Below are 5 practice problems. For each problem, write the hypotheses (null and alternative) in symbols.

Choose one problem to work to completion (simulating using the applet, with 1000 samples), finding the p-value and standardized statistic, interpreting each statistic, and stating the conclusion to the research problem. Do the p-value and standardized statistic agree?

1.	disapproval of his job p they can keep the nega	performance. His political atives below 30%. They w	l committee pays for a ser	ate's residents who express ries of TV ads, hoping that a assess the effectiveness of expressed disapproval.
	Simulation Settings:	probability of success	sample size (n)	number of samples
	p-value:	standardized statistic:		
	Does the p-value agre	ee with the standardized s	tatistic? Explain.	
	What is the conclusio	on to the research problem	?	

		nded heads up. H_A :				
Simulation Settings:	probability of success	sample size (n)	number of samples			
p-value:		standardized statist	ric:			
Does the p-value agre	Does the p-value agree with the standardized statistic? Explain.					
What is the conclusio	on to the research problem	n?				
listening to the recorde		ple quit. After surveyin	a motivational tape claim the g people who have attempt cessful at quitting.			
Simulation Settings:	probability of success	sample size (n)	number of samples			
Simulation Settings: p-value:	probability of success	sample size (n) standardized statist				
	probability of success					
p-value:	probability of success ee with the standardized s	standardized statist				

H_0 :	raduates revealed that 48	H_A :	
Simulation Settings:	probability of success	sample size (n)	number of samples
p-value:		standardized statist	tic:
Does the p-value agre	e with the standardized s	statistic? Explain.	
What is the conclusio	n to the research problen	a?	
50,000 and 100,000 mile has solved this problem	es. The manufadcturer hom. The manufacturer tes	peps that redesigning a sted 50 cars and found	component of the transmiss that 7 of them needed cos
50,000 and 100,000 mile has solved this problem	es. The manufadcturer ho	peps that redesigning a sted 50 cars and found	k after being driven betw component of the transmiss that 7 of them needed cos
50,000 and 100,000 mile has solved this problem transmission work after H_0 :	es. The manufadcturer hom. The manufacturer tes	peps that redesigning a steed 50 cars and found 0,000 and 100,000 miles.	component of the transmiss that 7 of them needed cos
50,000 and 100,000 mile has solved this problem transmission work after H_0 :	es. The manufadcturer hom. The manufacturer tears being driven between 50	peps that redesigning a sted 50 cars and found $0,000$ and $100,000$ miles. H_A :	component of the transmiss that 7 of them needed con. number of samples
50,000 and 100,000 mile has solved this probler transmission work after H_0 : Simulation Settings: p-value:	es. The manufacturer hom. The manufacturer tear being driven between 50 probability of success	peps that redesigning a steed 50 cars and found $0,000$ and $100,000$ miles. H_A : sample size (n) standardized statist	component of the transmiss that 7 of them needed co number of samples
50,000 and 100,000 mile has solved this probler transmission work after H_0 : Simulation Settings: p-value:	es. The manufadcturer hom. The manufacturer tears being driven between 50	peps that redesigning a steed 50 cars and found $0,000$ and $100,000$ miles. H_A : sample size (n) standardized statist	component of the transmiss that 7 of them needed co