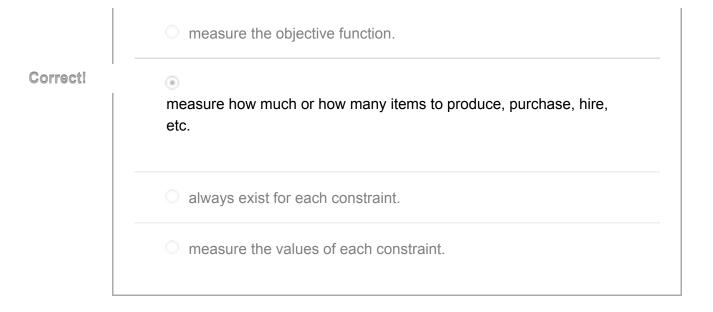
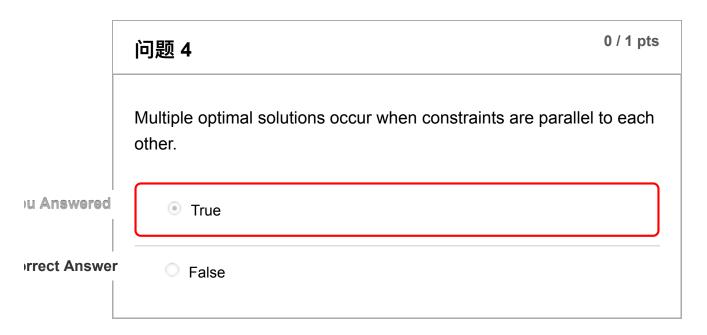
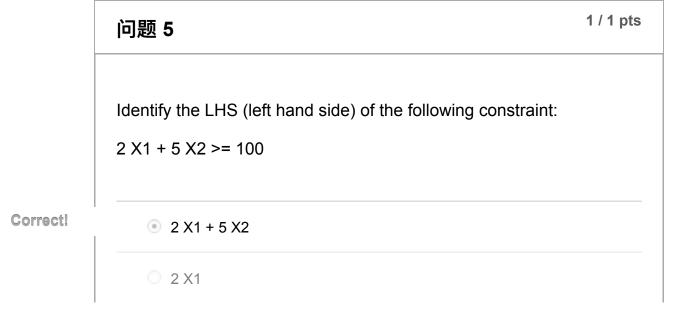
## **Quiz 1: Linear Optimization Results for Liangrui Lu**

Score for this attempt: **6** out of 10 Submitted Sep 12, 2021 at 2:55pm This attempt took 15 minutes.

rino attorn	pt took 10 minutes.	
	问题 1	0 / 1 pts
	The feasible solution area contains infinite solutions to the program.	ne linear
rrect Answer	O True	
u Answered	False	
L		
	问题 2	1 / 1 pts
	The first step in formulating a linear programming model the objective function.	l is to define
	O True	
Correct!	False	
	问题 3	1 / 1 pts
	Decision variables:	
l l		







O >=		
O 100		

## 

	问题 7	
	Which of the following optimization tools is prepackaged with Excel?	
	© @Risk	
Correct!	<ul><li>Solver</li></ul>	
	Lindo	
	None of these	

	问题 8	0 / 1 pts
	What of the following situations does not require the LP proble be revised?	em to
	LP infeasibility	
u Answered	<ul><li>LP unboundedness</li></ul>	
rrect Answer	Multiple optimal solutions	
	Non-linear constraints	

	问题 9	1 / 1 pts
Correct!	The shadow price of non-binding constraint is	
	less than zero	
	<ul><li>zero</li></ul>	
	greater than zero	
	any value	

问题 10 1/1 pts

	What happens to the objective function value when the RHS of a non binding constraint increases within the allowable increase?
Correct!	The objective value stays the same.
	The objective value will increase.
	The objective value will decrease.
	It is not possible to say. The problem needs to be resolved.

Quiz Score: 6 out of 10