## 60080079 Introduction to Statistical Methods Semester 2 2023-2024 Homework Assignment 9

1. Write your answer as a two-digit number: 13

Coefficientsa

	Coefficients							
_				Standardized				
		Unstandardize	ed Coefficients	Coefficients				
Model		В	Std. Error	Beta	t	Sig.		
1	(Constant)	14.458	3.779		3.826	.000		
	Math score	.695	.079	.602	8.822	.000		

a. Dependent Variable: Science score

2. Write your answer as a two-digit number: 41

3. Write your answer as a single-digit number: 4

$$\hat{\mu}_{v} = b_0 + b_1 x = 14.458 + 0.695? 48$$
 47.833

	MATH	SCIENCE	PRE_1	SEP_1
Ī	48.00	63.40	47.83299	.64680

**4.** Write your answer as a single-digit number: 2

5. Write your answer as a single-digit number: 3

**6.** Write your answer as a single-digit number: **3** 

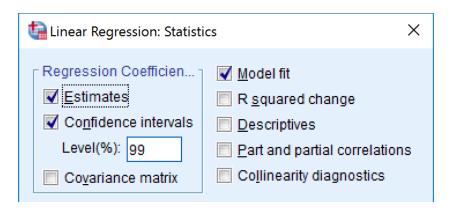
7. Write your answer as a single-digit number: 3

 $\varepsilon_i$  are identically, independently, normally distributed with mean zero and variance  $\sigma^2$ .

**8.** Write your answer as a two-digit number: 32

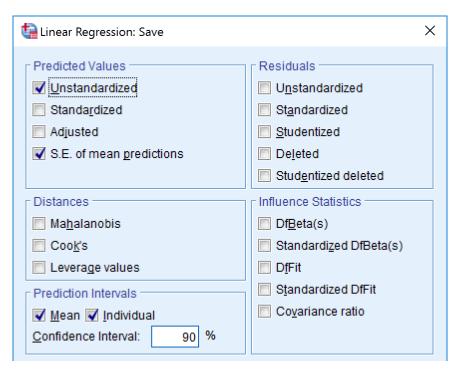
		Unstandardized Coefficients		
Model		В	Std. Error	
1	(Constant)	14.458	3.779	
	Math score	.695	.079	

99.0% Confidence	e Interval for B
Lower Bound	Upper Bound
4.588	24.329
.489	.901



9. Write your answer as a two-digit number: 13

MATH	SCIENCE	PRE_1	SEP_1	LMCI_1	UMCI_1	LICI_1	UICI_1
48.00	49.80	47.83299	.64680	46.76186	48.90412	35.21306	60.45293



10. Write your answer as a two-digit number: 24

Coefficients<sup>a</sup>

	Coefficients							
				Standardized				
		Unstandardize	ed Coefficients	Coefficients				
Mode	l	В	Std. Error	Beta	t	Sig.		
1	(Constant)	14.458	3.779		3.826	.000		
	Math score	.695	.079	.602	8.822	.000		

a. Dependent Variable: Science score