

EPRS855
Simple Regression

Data set

Y	X	Scenario A	X - Predictor
6	3		Y - Predicted Score
8	5	Scenario B	Y - Predictor
4	9		X - Predicted Score
5	7		
7	6		

Without calculation, evaluate if the following statement is true or false.

1. $r_{xy} = r_{yx}$
2. The regression equations are the same for Scenario A and Scenario B.
3. The F ratios (MS_{reg}/MS_{res}) are the same for Scenario A and Scenario B.
4. Standard error of estimates are the same for Scenario A and Scenario B.