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**T-Test**

[DataSet1]

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pretest	11.5556	9	2.29734	.76578
	Posttest	9.6667	9	2.23607	.74536

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	Pretest & Posttest	9	.527	.145

**Paired Samples Test**

		Paired Differences		95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Lower	Upper			
Pair 1	Pretest - Posttest	1.88889	2.20479	.19414	3.58364	2.570	8	.033

Exercise 13

**T-Test**

[DataSet2]

**Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Pretest Score	32.8000	10	4.61399	1.45907
	Posttest Score	34.0000	10	5.05525	1.59861

**Paired Samples Correlations**

		N	Correlation	Sig.
Pair 1	Pretest Score & Posttest Score	10	.843	.002

**Paired Samples Test**

		Paired Differences							
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	Pretest Score - Posttest Score	-1.20000	2.74064	.86667	-3.16054	.76054	-1.385	9	.200

- a. What is the mean for the pretest? 32.8

- b. What is the mean for the posttest? 34.0
- c. What is the value of  $t$ ? -1.385
- d. What is the associated probability? Statistically significant.