

Getting Back to the Classroom: Learning How to Study

*Using a Pre-Exam Reflection Survey
in College Algebra*

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The Survey



Pre-Exam Reflection

Name:

1. *How many hours did you spend on reviewing the exam material?*
 - a. *Less than an hour*
 - b. *1-3 hours*
 - c. *3-5 hours*
 - d. *More than 5 hours*

2. *Did you score at least a 90% on all the objectives covered by this exam?*
 - a. *Yes*
 - b. *No*

3. *What was your highest grade for the Practice Exam?*
 - a. *I didn't take the practice exam*
 - b. *Less than 60%*
 - c. *Between 60% and 80%*
 - d. *More than 80%*

4. *What grade are you expecting to make on this exam?*

- a. *A*
- b. *B*
- c. *C*
- d. *D*
- e. *F*

5. *What grade would you like to make on this exam?*

- a. *A*
- b. *B*
- c. *C*
- d. *D*
- e. *F*

Actual exam grade: *(to be filled out by your instructor)*

Post Exam Reflection

Possible Areas To Improve:

- Time spent studying
- Completion of objectives / homework assignments
- **Take the Practice Exam under exam circumstances**
- More rest
- Other?

Results



Class	A (22/28)		B (18/21)		C (9/13)	
	Pre Exam 1	Pre Exam 2	Pre Exam 1	Pre Exam 2	Pre Exam 1	Pre Exam 2
1. How many hours did you spend on reviewing the exam material?						
Less than an hour	18.2%	22.7%	11.1%	11.1%	0%	11.1%
1-3 hours	36.4%	27.3%	38.9%	22.2%	66.7%	77.8%
3-5 hours	18.2%	27.3%	38.9%	44.4%	22.2%	11.1%
More than 5 hours	27.3%	22.7%	11.1%	22.2%	11.1%	0
2. Did you score at least a 90% on all the objectives covered by this exam?						
Yes	63.6%	50%	72.2%	66.7%	33.3	33.3
No	36.4%	50%	27.8%	33.3%	66.7	66.7

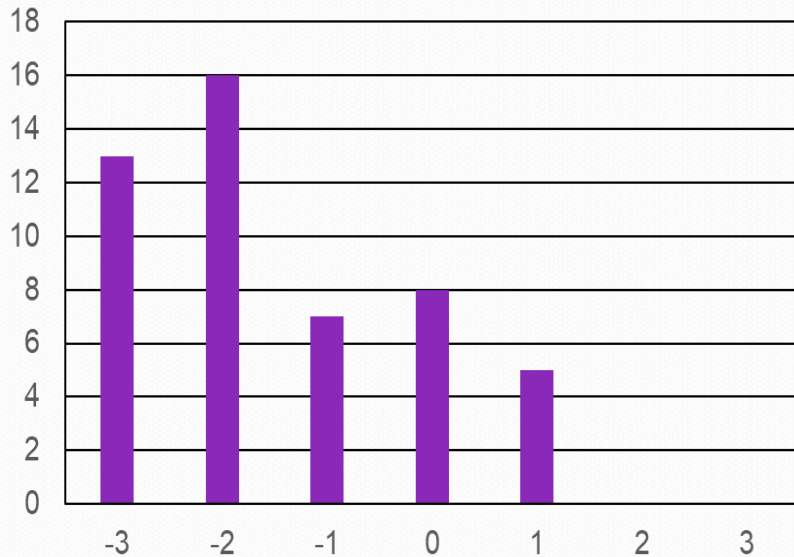


Class	A (22/28)		B (18/21)		C (9/13)	
	Pre Exam 1	Pre Exam 2	Pre Exam 1	Pre Exam 2	Pre Exam 1	Pre Exam 2
3. What was your highest grade for the Practice Exam?						
I didn't take the practice exam	40.9%	36.4%	5.6%	0%	77.8%	55.6%
Less than 60%	22.7%	9.1%	27.8%	27.8%	0%	33.3%
Between 60% and 80%	4.5%	13.6%	11.1%	0%	11.1%	0%
More than 80%	31.8%	40.9%	55.6%	72.2%	11.1%	11.1%
4. What grade are you expecting to make on this exam?						
A	9.1%	18.2%	16.7%	33.3%	11.1%	11.1%
B	59.1%	40.9%	50.0%	27.8%	44.4%	0%
C	27.3%	13.6%	33.3%	33.3%	33.3%	44.4%
D	4.5%	18.2%	0%	5.6%	11.1%	33.3%
F	0%	9.1%	0%	0%	0%	11.1%
Actual Exam Average	65.1	74.8	59.0	80.3	33.6	46.4

Expectation versus Reality

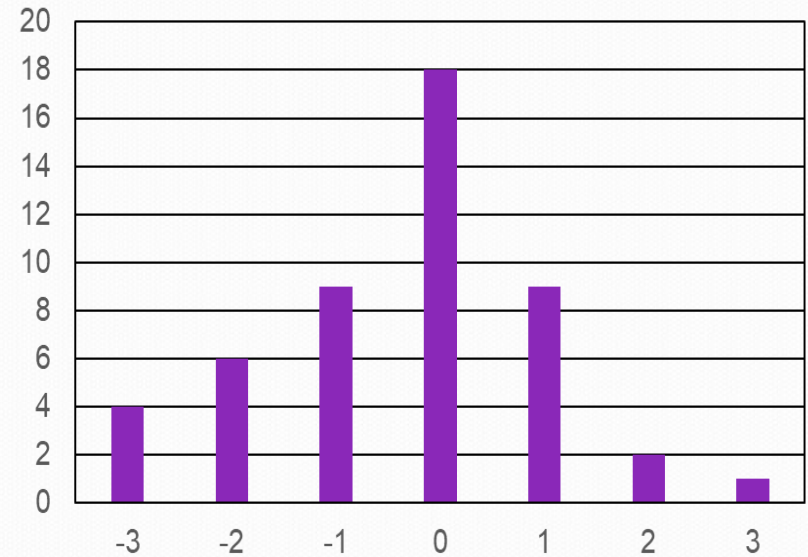


Actual Grade vs Expected Grade
Exam 1



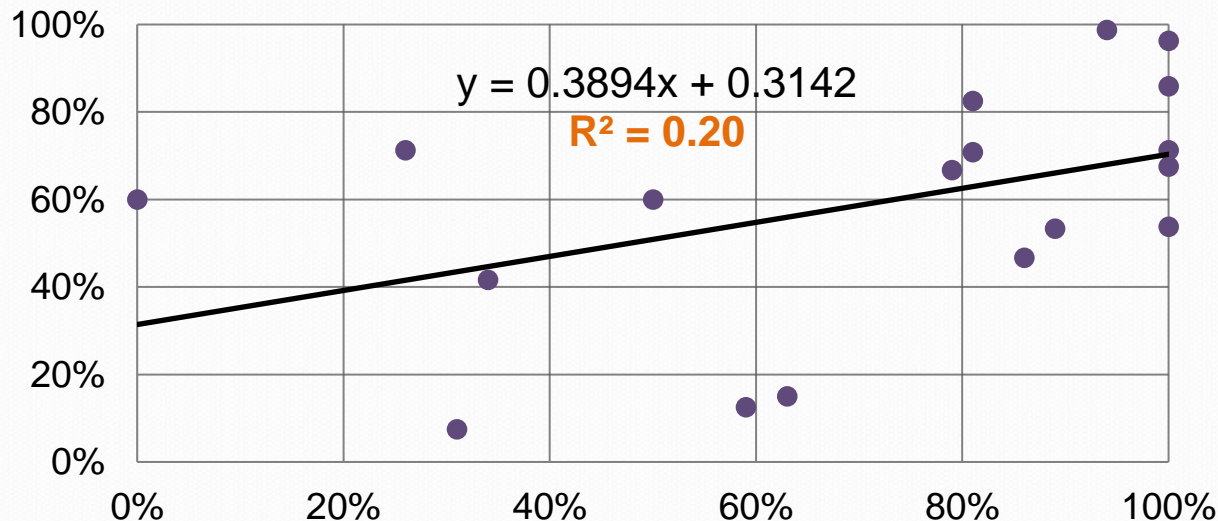
← Overestimate Underestimate →

Actual Grade vs Expected Grade
Exam 2

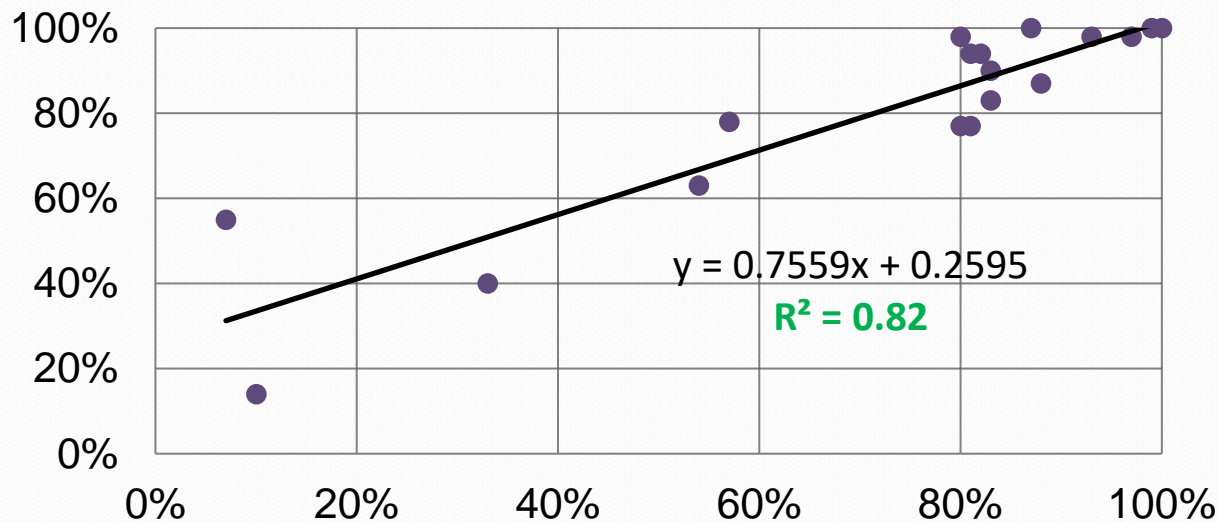


← Overestimate Underestimate →

Exam 1 Score vs Practice Exam Class B



Exam 2 Score vs Practice Exam Class B



R^2 -values

Class A: 0.20 \rightarrow 0.61

Class C: 0.87 \rightarrow 0.64



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Questions?