

Exam II Study Aid

Exam II : Sections 1.5-2.1
Monday, February 27th (In Class)

Our second in-class exam will cover only the material from sections: 1.5, 1.6 and 2.1. You will have the entire class period (50 minutes) to complete the exam (you may leave once you are finished).

Below is a list of the main concepts or definitions you should definitely know and be comfortable with. (Note: this list is not a comprehensive list of all the topics we have learned in Sections 1.5 through 2.1, it is simply a list of the very important topics. Hence, as a warning, there may be topics on the exam which are not listed below – i.e. don't simply study this list and nothing else!)

1. Horizontal/Vertical Translations
2. Horizontal/Vertical Compression and Expansion
3. Reflections about the x -Axis or y -Axis
4. Sum/Difference/Product/Quotient of Functions
5. Domain of a Sum/Difference/ Product/Quotient of Functions
6. Graphing by Adding y -Coordinates
7. Composition/Decomposition of Functions
8. Domain of a Composition
9. Slope of a Line
10. Graphing using Slope and a Point
11. Slope-Intercept Form
12. Point-Slope Form
13. General Form of a Line
14. Vertical/Horizontal Lines
15. Parallel/Perpendicular Lines
16. Straight-Line Depreciation

Finally, here is a list of good practice problems that might help you in studying. All of the problems were picked to be odd numbered so that their solutions would be found in the back of the book.

- Section 1.5 – 11, 15, 19, 27, 39, 41
- Section 1.6 – 1, 3, 5, 7, 9, 11, 13, 15, 19, 21, 25, 37, 41, 45, 49
- Section 2.1 – 1, 3, 7, 9, 15, 19, 23, 31, 33, 55, 75