**Review Exam Topic lists 1-3**

**After Exam 3 Review Topics**

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| **Topic** | **Location** |
| Defining Independent and Dependent Variables | Textbook: Section 3.6, p. 297; Day 18 Notes and Day 18 HW |
| Function Notation | Textbook: Section 3.6, p. 299-300 |
| Calculating Slope | Textbook: Section 3.2, p. 217-221 |
| Writing and Graphing y=mx+b from a vertical intercept and slope | Textbook: Section 3.4, p. 264-268 |
| Interpreting Slope in context | Day 25 HW and Day 26 HW |
| Finding and Interpreting Values in context | Day 21 Activity, Day 21 HW, Day 25 HW, and Day 26 HW, Day 34 HW, Day 37 Activity and HW |
| Writing y=mx+b from a vertical intercept and a second point | Textbook: Section 3.4, p. 269; Day 28 Activity and HW |
| Determining domain and range from a graph | Textbook: Section 3.6, p. 297-298 (exercises p. 307 #39-42); Day 31 Activity and HW |
| Determining values from a graph | Day 31 Activity and HW |
| Determining whether an exponential function is growth or decay, what the growth or decay rate is, and what the vertical intercept is | Day 32 Activity and HW |
| Writing an exponential equation given a % change and the initial value | Day 32 Activity and HW, Day 33 HW, Day 34 HW, Day 35 Activity and HW |
| Finding an output, given an input, from an exponential equation | Day 32 Activity and HW, Day 33 HW, Day 34 HW, Day 35 HW |
| Estimating output values from an exponential function | Day 33 Activity and HW, Day 35 Notes and HW |
| Solving a linear system using substitution or elimination | Textbook: Section 4.1 p. 336-340, Section 4.2 p. 359-363, 365-378; Day 36 Activity and HW |
| Solving a system with a linear equation and an exponential equation using graphing | Day 37 Activity and HW |

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| Solving and graphing solutions to an inequality with one variable | Textbook: Section 2.6, p. 173-179; Day 38 Activity and HW |
| Graphing solutions to an inequality with two variables | Textbook: Section 3.5, p. 282-285; Day 40 Activity and HW |