

Day	Date	Topic	Text Reference	Exercise
1	Tues. Sept. 5	1.1 Functions	pg 11	pg. 11 #2,3,4,5,7-11,14,15
2	Wed. Sept. 6 (Assembly Day)	1.2 Absolute Value An Introduction to Interval Notation	(Explore) pg 16	pg. 16 #2, 3, 4*, 5, 7 + 2 online quizzes *Correction: 4c: The final answer should read “The absolute value of a number is always greater than or equal to 0. There is no solution to this inequality.” *Correction: 4d: The final answer should be the entire number line shaded in. Do you know why?
3	Thurs. Sept. 7	1.3 Properties of Graphs and Functions	(Invest. A-F) pg 23	pg. 23 #3*(Correction: The final answer should read: the function can be derived from <u>any</u> $y=b^x$, for any valid “b”), 4ad, 5*(question error), 7, 8, 10*(question error), 15
4	Fri. Sept. 8	1.4 Graphing Functions	(Invest.) pg 35	Worksheet
5	Mon. Sept. 11	Take-up homework (esp. 1.4 Transformations) and go over Interval Notation Vortex Activity REVIEW DAY 1		pg. 60 #1 to 8, 9bde Correction: #3 the range should be $\{y \in \mathbb{R} \mid y \geq -1\}$
6	Tues. Sept. 12	1.5 Inverse Relations	pg 43	pg. 43 #1cd, 2d, 3, 4**, 6d, 10e, 12c, 13ab, 14, 16 ** first create a table of values for $y=x^3$, then graph it.
7	Wed. Sept. 13 (Photo Day)	Enrichment: Learning without Consequences		Worksheet
8	Thurs. Sept. 14	1.6 Piecewise Functions (Continuity Video on Website)	pg 51	pg. 51 #1bdf, 2bdf, 3a, 4a, 5d, 7, 9 Challenge! #14, 15
9	Fri. Sept. 15	REVIEW DAY 2	pg 60 Extra	pg. 60 # 10, 11a, 12, 13, 16, 17 + Error: #17a) the function should be: $f(x) = \begin{cases} 30, & \text{if } 0 \leq x \leq 200 \\ 24 + 0.03x, & \text{if } x > 200 \end{cases}$ Practice Test (30 mins max) Errors: #7a) should be (-2, 17) #9a) should be: \$11500 b) $T(x) = \begin{cases} 0.05x & \text{if } 0 \leq x \leq 50000 \\ 0.12x - 3500 & \text{if } x > 50000 \end{cases}$ #10c) There should be a square bracket beside one of the zeros #10d) The range should be: $\{y \in \mathbb{R} \mid 1 < y < 2, y \geq 3\}$

