ALGEBRA 2

Tues., Sept. 7/Wed., Sept. 8

Functions, Domain, & Range Handout

Sec. 1.3 pp. 26-28
3-7, 9, 11-12, 26

Thurs., Sept.9/Fri., Sept. 10

Sec. 1.3 pp. 27-28
8, 10

Equations of Lines Handout

Mon., Sept. 13/Tues., Sept. 14

Real World Modeling with Linear Functions Handout

Prediction Equations & Regression Lines Handout

Wed., Sept. 15/Thurs., Sept. 16

Graphs of Linear Functions Handout

Writing Equations of Graphs of Linear Functions Handout

Reminder: Journal Due Next Class!

Fri., Sept. 17/Tues., Sept. 21

Quick Intro to Piecewise Functions

Review for Ch. 1 Test

Journal Due

Wed., Sept. 22/Thurs., Sept. 23

Linear Functions Test

Math Matters Due Next Class

ANSWERS

<u>Sec. 1.3 pp. 26-28</u>
4. $y = -\frac{1}{30}x + 12$; The fuel decreases $\frac{1}{30}$ gal. for every mile driven
6. $y = \frac{3}{2}x$; The height increases 1.5 ft. each year
12. Slope was miscalculated; The slope is 11, so the income is $11 per hour.
26. a) -5/4; the decrease in balance per month
    b) D: $0 \le x \le 24$;   R: $0 \le y \le 300$
       Domain: term of the balance of the loan; Range: balance of the loan
    c) $1500

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8. $y = -60x + 480$; The volume decreases 60 cu. ft. per hour
10. a) $y - 212 = \frac{9}{5}(x - 100)$ °F $\Rightarrow y = \frac{9}{5}x + 32$
    b) 71.6°
    c). $x = \frac{5}{9}(y - 32)$
    d) about 28.33° C
16. No