

ALGEBRA 2

Tues., Sept. 6/Wed., Sept. 7

Functions, Domain, & Range Handout

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

Thurs., Sept. 8/Fri., Sept. 9

Sec. 1.3 pp. 27-28
8, 10

Equations of Lines Handout

Mon., Sept. 12/Tues., Sept. 13

Real World Modeling with Linear Functions Handout

Prediction Equations & Regression Lines Handout

Wed., Sept. 14/Thurs., Sept. 15

Graphs of Linear Functions Handout

Writing Equations of Graphs of Linear Functions Handout

Reminder: Journal Due Next Class!

Fri., Sept. 16/Tues., Sept. 20

Quick Intro to Piecewise Functions

Review for Ch. 1 Test

Journal Due

Wed., Sept. 21/Thurs., Sept. 22

**Linear
Functions
Test**

*Math
Matters
Due
Next
Class*

ANSWERS

Sec. 1.3 pp. 26-28

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: $0 \leq x \leq 24$; R: $0 \leq y \leq 300$
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) $y - 212 = \frac{9}{5}(x - 100) \text{ } ^\circ\text{F} \Rightarrow y = \frac{9}{5}x + 32$
b) 71.6°
c). $x = \frac{5}{9}(y - 32)$
d) about 28.33°C
16. No