

Algebra 1 - Homework Syllabus (Reg)

Expectations:

- Rewrite original problem (unless word problem or specified)
- Show ALL work in the vertical format. (Must show each step)
- Answer question being asked

- Students may use a calculator

Chapter 3: Solving Linear Equations

3.1: Solve One-Step Equations (pp. 137-140)

Set A: Adding/Subtracting Equations (2): 8, 10

Set B: Multiplication/Division Equations (2): 22, 28

Set C: Decimal/Fraction Equations (4): 32, 38, 40, 46

WP: *Always start by identifying a variable and writing an equation (5): 49, 52, 54, 55, 56

13 Problems Total

3.2: Solve Two-Step Equations (pp. 144-146)

Set A: Solve Two-Step Equations (5): 6, 8, 10, 16, 18

Set B: Write a function and solve for input (2): 24, 26

Set C: Fraction and Decimal Equations (2): 28, 34

WP (3): 37, 38, 39

12 Problems Total

3.3: Solve Multi-Step Equations (pp. 150-153)

Set A: Solve by Combining Like Terms (2): 6, 8

Set B: Solve by Distributing First (2): 12, 14

Set C: Solve by Using Reciprocals (2): 20, 22

Set D: Decimals (1): 30

WP (4): 33, 38, 39, 40

11 Problems Total

3.4: Solve Equations with Variables on Both Sides (pp. 157-159)

Set A: Basic Variables on Both Sides (doesn't include "no sol" or "any number") (4): 7, 9, 13, 30

Set B: Including "No solution" and "Any number" (4): 21, 23, 24, 32

Set C: Clearing Decimals and Fractions (4): 33, 34, 37, 38

WP (4): 46, 49, 50, 51

17 Problems Total

3.5/3.6: Write and Solve Ratios and Proportions (pp. 165-167 and 171-173)

Set A: Basic Proportions and Ratios (pp. 165-167) (3): 6, 15, 27

Set B: Solving Proportions that Involve Distributing (pp. 171-173) (3): 8, 9, 11

Set C: Solving Proportions Involving Variables on both sides (pp. 171-173) (3): 12, 19, 21

WP (Ratios) (pp. 165-167) (2): 45, 46

WP (Proportions) (pp. 165-167) (2): 50, 51

WP (Scale) (pp. 171-173) (2): 35, 39

15 Problems Total

3.7: Solve Percent Problems (pp. 179-181)

Set A: Basic Percent Problems (Can use either percent equation or percent proportion) (6): 3, 5, 7,
9, 13, 15

Set B: Evaluate percent problems/Real-world percent problems (3): 22, 23, 28

WP (2): 35, 36

11 Problems Total

3.8: Rewrite Equations and Formulas

Set A: Solve Literal Equations (2): 5, 6

Set B: Rewrite Equations into Function Form (4): 13, 15, 18, 26

Set C: Rewrite Formulas (3): 20, 22, 28

WP (2): 32, 33

11 Problems Total