



Linear Equations

Chapter: Algebra I • Level ★★★ • Time: 30 min

SCORE

___ / 20

Name _____ Class _____ Date _____

AFTER THIS WORKSHEET YOU CAN

- ✓ Solve one- and multi-step linear equations.
- ✓ Isolate the variable using inverse operations.
- ✓ Balance both sides of an equation.
- ✓ Check a solution by substitution.



Section A • Concept Check

• BEGINNER

$4 \times 1 = 4$

1 Solve $4x + 6 = 26$:

- ☐ A. $x = 5$ ☐ B. $x = 8$ ☐ C. $x = 4$ ☐ D. $x = 6$

2 Solve $7x - 3 = 25$:

- ☐ A. $x = 4$ ☐ B. $x = 3$ ☐ C. $x = 7$ ☐ D. $x = 22$

3 Solve $5x + 2 = 2x + 14$:

- ☐ A. $x = 4$ ☐ B. $x = 6$ ☐ C. $x = 2$ ☐ D. $x = 16$

4 Solve $3(x - 1) = 12$:

- ☐ A. $x = 3$ ☐ B. $x = 5$ ☐ C. $x = 4$ ☐ D. $x = 15$



Section B • Problem Solving

• INTERMEDIATE

$2 + 3 \times 3 = 11$

5 Solving $4x + 6 = 26$ gives $x =$ _____

6 To solve, use _____ operations to isolate x .

7 Solve for x : $4x + 6 = 26$.

8 Solve for x : $7x - 3 = 25$.

9 Solve for x : $5x + 2 = 2x + 14$.



Section C • Challenge

• CHALLENGE

5

10 Solve for x : $3(x - 1) = 12$.

Reflection — the most useful thing I learned: _____

A ___/4

B ___/11

C ___/5

Total ___/20

Teacher's Signature

Parent's Signature

ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-A 2-A 3-A 4-B | 5 5 6 inverse 7 = $x = 5$ 8 = $x = 4$ 9 = $x = 4$ | 10 = $x = 5$