



Solving Equations Review

15 Questions

NAME : _____

CLASS : _____

DATE : _____

1. The goal of solving a one, two, or multi-step equations is to:

- a) Find the constant
- b) Find the coefficient
- c) Find the value of the variable
- d) Be confused

2. Solve for f:
 $f - 4 = 6f + 26$

- a) $f = -5$
- b) $f = 5$
- c) $f = 6$
- d) $f = -6$

3. Solve for x.

$$-x - 11 = 2x + 4$$

- a) -5
- b) 3
- c) All Real Numbers
- d) 5

4. $-5(x + 7) = -5x + 35$

Solve for x.

- a) No Solution
- b) Identity
- c) -35
- d) 7

CFS

1. Inverse operations are used

2. Equation is kept balanced throughout entire process

3. Equation is solved vertically and all work shown to isolate the specified variable

5. Solve for x. $6(4x+2) = 3(8x+4)$

a) All Real Numbers

b) No Solution

c) 12

d) 6

6. $-(4y - 8) = 2(y + 4)$

Solve for y.

a) 0

b) No Solution

c) 6

d) -2

7. Solve for w: $11w + 2(3w-1) = 15w$

a) 2

b) 1

c) No Solution

d) 5

8. Solve for x:

$$4(1 - x) + 3x = -2(x + 1)$$

a) $x = -6$

b) $x = 6$

c) $x = 3$

9. Solve the equation

$$-8x - 8 + 3(x - 2) = -3x + 2$$

a) $x = -8$

b) $x = 8$

c) $x = 2$

d) $x = -2$

10. Solve the equation for w.

$$x = w / a$$

a) $w = a / x$

b) $w = x / a$

c) $w = ax$

d) $x = wa$

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11.

$$y = \frac{x - v}{b}$$

Solve for x:

a) $x = yb - v$

b) $x = by - v$

c) $x = by + v$

12. Solve for x:

$$yx - w = v$$

a) $x = (v + w)/y$

b) $x = y(v - w)$

c) $x = (vw) + y$

d) $x = v/(y + w)$

13. $pV = nRT$
solve for R

a) $R = pV/nT$

b) $R = p/n + V/T$

c) $R = pV - nT$

d) $R = (pV - n)/T$

14. Solve for b: $y = mx + b$

a) $b = y - mx$

b) $b = mx - y$

c) $b = y + mx$

d) $b = ymx$

15. Solve for w:
 $2w + 2b = P$

a) $w = P - b$

b) $w = (P - 2b)/2$

c) $w = P/2$

d) $w = P/2b$

CFS

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