

NAME:

Period: SCORE: / = %=

HW 4-4

Int 1

Solving Two-Step Equations With the Distributive Property

Unit 4

Instructions: For each of the following equations, you must do these 3 steps to get full credit.

- 1) Circle the variable and set up your lines.
- 2) Use Inverse Operations on BOTH SIDES.
- 3) Solve with the variable in your answer.

Remember you can plug in your answer to check if it's right!

1) $5x - (-3) = 23$

$x = 4$

5) $8 - 5w = -37$

$w = 9$

2) $4 = 3a + (-14)$

6) $42 = 18 - 4v$

3) $19 = 3y - 5$

$y = 8$

7) $0.4m - 3 = -1$

$m = 5$

4) $6 - 5c = -29$

8) $3.2e - (-2.6) = -23$

$$9) \quad \frac{n}{3} - 8 = -2$$

$$n = 18$$

$$13) \quad \frac{3}{4}x - 7 = 8$$

$$x = 20$$

$$10) \quad \frac{x}{-4} + 5 = 1$$

$$14) \quad -12 = 6 + \frac{2}{3}y$$

$$11) \quad 13 = \frac{w}{-3} - 4$$

$$w = -51$$

$$15) \quad -17 = -32 - \frac{3}{5}f$$

$$f = -25$$

$$12) \quad -7 = \frac{c}{-6} + 12$$

$$16) \quad -14 = \frac{h+12}{-6}$$

$$17) \frac{u-12}{-4} = 5$$

$$u = -8$$

$$22) 1.6(d+13) = 48$$

$$18) -7 = \frac{m - (-17)}{5}$$

$$23) 49 = 0.7(b-5)$$

$$b = 75$$

$$19) 8(x-4) = 16$$

$$x = 6$$

$$24) -2.25(4+y) = -9$$

$$20) -6(-5+3x) = -48$$

$$25) \frac{4}{5}(d+25) = 44$$

$$d = 30$$

$$21) 55 = -5(-7-2x)$$

$$x = 2$$

$$26) \quad 42 = \frac{6}{11}(b - 33)$$

$$27) \quad -\frac{2}{13}(-26 + y) = 8$$

$$y = -26$$