lesson 3.notebook February 11, 2016







B.



A.
$$6(1 + 2n) = -18$$

$$6 + 12n = -18$$

$$6 + 12n = -18 - 6$$

$$12n = -34$$

$$12$$

$$12$$

C.
$$3(x + 1) - 2x = 1$$

 $3x + 3 - 2x = 1$
 $3x - 2x + 3 = 1$
 $x + 3 - 2$

Homework Questions???

10. Solve each equation.

What strategy did you use?

Verify the solution.

a)
$$-12a = 15 - 15a$$

b)
$$10.6y = 2.1y - 27.2$$

c)
$$-10.8 + 7z = 5z$$

d)
$$6u - 11.34 = 4.2u$$

e)
$$-20.5 - 2.2b = -7.2b$$

f)
$$-5.3p = -9 - 8.9p$$

11. Solve each equation. Verify the solution.

a)
$$2-3n=2n+7$$

b)
$$13 - 3q = 4 - 2q$$

c)
$$-2.4a + 3.7 = -16.1 + 3.1a$$

d)
$$8.8v + 2.1 = 2.3v - 16.1$$

e)
$$-2.5x - 2 = -5.7x + 6$$

f)
$$6.4 - 9.3b = 25.3 - 3.9b$$

17. Solve each equation. Verify the solution.

a)
$$4(g+5) = 5(g-3)$$

b)
$$3(4j + 5) = 2(-10 + 5j)$$

c)
$$2.2(h-5.3) = 0.2(-32.9 + h)$$

d)
$$0.04(5-s) = 0.05(6-s)$$

$$36 + 3x = 3(6x-8)$$

$$3b + 3x = 18x - 24$$

$$3b + 3x - 18x = 18x - 18x - 24$$

$$3b - 15x = -24$$

$$3b - 15x = -24$$

$$3b - 15x = -24$$

$$-15x = -60$$

$$-15x = 4$$

$$-6k + 4(5k + 4) = 37 + 7k$$

$$-6K + 20K + 16 = 37 + 7K$$

$$-6K + 20K - 7K + 16 = 37 + 7K - 7K$$

$$7K + 16 = 37$$

$$7K + 16 = 37 + 7$$

$$7K + 16 = 37 + 7K$$

$$2(r-3)-3=3r-6$$

$$2r-6-3:3r-6$$

$$2r-6-3:3r-6$$

$$2r-3r-6-3:3r-6$$

$$3r-3r-6-3=3r-6$$

$$-1r-9=-6$$
Grow -|r-6-3=-6

$$\frac{(y)}{y} = b(4)$$

$$x = 24$$

$$(5)2.4 = 4.8(5)$$

$$2.4s = 4.8(5)$$

$$2.4s = 4.8$$

$$2.4s = 4.8$$

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Two rental halls are considered for a wedding.

Hall A costs \$50 a person. $\chi = \text{the number}$ Hall B costs \$2000, plus \$40 per person. of people.

Determine the number of people for which the halls will cost the same to rent.

A. Write the equation then solve

Hall A = Hall B

$$50x = 2000 + 40x$$

 $50x - 40x = 2000 + 40x - 40x$
 $\frac{10x}{10} = 2000$
 $x = 200$

Midunit review
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5, 7 [a, b, c, e, f], 8
Extra Practice Worksheet

2, 6, 10, 17, 19

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