

Assignment

Date _____ Period _____

Solve each equation.

1) $5 + n = -2n - 4$

2) $n + 3 - 8n = -2 - 8n$

3) $-3 - x - 1 - 5x = -4x + 4 - 2$

4) $8 - 7v = -8v - 3v$

5) $3n - 3 + 4 = 2 + n + n$

6) $-14 - 3x - 7x = -3x - 5x$

7) $n - 1 = 2 + 4n + 4 - 7$

8) $8 + 3m = m - 4$

9) $38 + 8p = 3(7p + 4)$

10) $2 + a = -4(a - 2) - 6$

$$11) 37 - 7m = -7(6 + 5m) - 5$$

$$12) -2x - 4 = -6x + 8(7 - 7x)$$

$$13) -(8x - 1) = -7 - 8x$$

$$14) 11 + 5b = 4(b + 3)$$

$$15) -30 + 3k = -6(5 + 8k)$$

$$16) 33 + 8m = -6(8 - 5m) - 7$$

$$17) 4(3x + 5) - 8(-5 + 2x) = -5x - 5x$$

$$18) 2(1 + 6x) = -2 + 7(2x + 4)$$

$$19) 8n + 5(2n + 3) = -(5n + 8)$$

$$20) 2x + 5 + x - 8 = -7(8x - 5) + 7(1 + 8x)$$

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Date _____ Period _____

Solve each equation.

1) $5 + n = -2n - 4$

 $\{-3\}$

2) $n + 3 - 8n = -2 - 8n$

 $\{-5\}$

3) $-3 - x - 1 - 5x = -4x + 4 - 2$

 $\{-3\}$

4) $8 - 7v = -8v - 3v$

 $\{-2\}$

5) $3n - 3 + 4 = 2 + n + n$

 $\{1\}$

6) $-14 - 3x - 7x = -3x - 5x$

 $\{-7\}$

7) $n - 1 = 2 + 4n + 4 - 7$

 $\{0\}$

8) $8 + 3m = m - 4$

 $\{-6\}$

9) $38 + 8p = 3(7p + 4)$

 $\{2\}$

10) $2 + a = -4(a - 2) - 6$

 $\{0\}$

$$11) 37 - 7m = -7(6 + 5m) - 5$$

$$\{-3\}$$

$$12) -2x - 4 = -6x + 8(7 - 7x)$$

$$\{1\}$$

$$13) -(8x - 1) = -7 - 8x$$

No solution.

$$14) 11 + 5b = 4(b + 3)$$

$$\{1\}$$

$$15) -30 + 3k = -6(5 + 8k)$$

$$\{0\}$$

$$16) 33 + 8m = -6(8 - 5m) - 7$$

$$\{4\}$$

$$17) 4(3x + 5) - 8(-5 + 2x) = -5x - 5x$$

$$\{-10\}$$

$$18) 2(1 + 6x) = -2 + 7(2x + 4)$$

$$\{-12\}$$

$$19) 8n + 5(2n + 3) = -(5n + 8)$$

$$\{-1\}$$

$$20) 2x + 5 + x - 8 = -7(8x - 5) + 7(1 + 8x)$$

$$\{15\}$$