Two of the equations are solved correctly. One is solved incorrectly.

Directions: 1. Identify the one that is wrong. 2. Highlight the mistake. 3. Solve the incorrect problem properly.

$$5v - 4(1 + v) = -19 + 4v$$

$$5v - 4 - 4v = -19 + 4v$$

$$9v - 4 = -19 + 4v$$

$$-4v - 4v$$

$$5v - 4 = -19$$

$$\frac{+4 + 4}{5v} = -15$$

$$5v = -3$$

$$8(6n - 7) + 6n = 6 + 11n$$

$$48n - 56 + 6n = 6 + 11n$$

$$-6n - 6n$$

$$42n - 56 = 6 + 11n$$

$$+56 + 56$$

$$42n = 62 + 11n$$

$$-11n - 11n$$

$$31n = 62$$

$$31 - 31$$

$$n = 2$$

$$-12 - 6n = 4(6 - 6n)$$

$$-12 - 6n = 24 - 24n$$

$$+24n + 24n$$

$$-12 + 18n = 24$$

$$+12 + 12$$

$$18n = 36$$

$$18 \quad 18$$

$$n = 2$$

Two of the equations are solved correctly. One is solved incorrectly.

Directions: 1. Identify the one that is wrong. 2. Highlight the mistake.

3. Solve the incorrect problem properly.

$$\begin{array}{rcl}
-4r - 8(5 - 6r) = 4r & -2 + 4x = -(x - 3) \\
-4r - 40 - 48r = -12r & -2 + 4x = -x + 3 \\
-52r - 40 = -12r & +2 & +2 \\
+52r & + 52r & 4x = -x + 5 \\
-40 = 40r & +x + x \\
-40 = 40r & 5x = 5 \\
-1 = r & 5 & 5 \\
x = 1
\end{array}$$

6(6b - 7) - 2 = 34 - 3b	5
36b - 42 - 2 = 34 - 3b	
36b - 44 = 34 - 3b	
+3b + 3b	
39b - 44 = 34	
+44 = +44	
39b = 78	
39 39	
b=2	

Two of the equations are solved correctly. One is solved incorrectly.

Directions: 1. Identify the one that is wrong. 2. Highlight the mistake. 3. Solve the incorrect problem properly.

$$3(3v - 2) = 4v - 31
9v - 6 = 4v - 31
-4v - 4v
5v - 6 = -31
+6 + 6
5v = -25
 $5v = -25$
 $v = -5$
 $v = -5$

$$37 - 5b = 4(1 + 7b)
37 - 5b = 4 + 28b
-37 - 37
-5b = -33 + 28b
-28b - 28b - 28b}
-33 - 33
b = 1$$$$

$$36 + 5b = 4(1 + 7b)$$

$$36 + 5b = 4 + 7b$$

$$-5b - 5b$$

$$36 = 4 + 2b$$

$$-4 - 4$$

$$32 = 2b$$

$$2$$

$$16 = b$$

Two of the equations are solved correctly. One is solved incorrectly.Directions: 1. Identify the one that is wrong. 2. Highlight the mistake.3. Solve the incorrect problem properly.

$$\begin{array}{rcl}
-(3x+2) &= -3x-2 & 3-2k &= -5 \\
-3x-2 &= -3x-2 & 5-2k &= -1 \\
\underline{+3x} &\pm 3x & -5 & \\
-2 &= -2 & -2 & -2k &= -1 \\
infinitely many solutions & \underline{+10k} &\pm \\
8k &= & 8k &= \\
\end{array}$$

$$3 - 2k = -5(2k - 7)$$

$$5 - 2k = -10k - 35$$

$$-5 - 5$$

$$-2k = -10k - 40$$

$$+10k + 10k$$

$$8k = -40$$

$$8k = -40$$

$$8k = -5$$

$$17 + 8v = 6(v + 5) - 1$$

$$17 + 8v = 6v + 30 - 1$$

$$17 + 8v = 6v + 29$$

$$-17 - 17$$

$$8v = 6v + 12$$

$$-6v - 6v$$

$$2v = 12$$

$$2 = 2$$

$$v = 6$$

Name _____

Two of the equations are solved correctly. One is solved incorrectly.

Directions: 1. Identify the one that is wrong. 2. Highlight the mistake. 3. Solve the incorrect problem properly.

$$-26 - 6x = 2(7x + 7)$$

$$-26 - 6x = 14x + 14$$

$$+26 + 26$$

$$-6x = 14x + 40$$

$$-14x - 14x$$

$$-20x = 40$$

$$-20 - 20$$

$$x = -2$$

$$13 - 7a = -8(a - 1) + 5$$

$$13 - 7a = -8a + 8 + 5$$

$$-5 - 5$$

$$13 - 7a = -8a + 3$$

$$-13 - 13$$

$$-7a = -8a - 10$$

$$+8a + 8a$$

$$a = -10$$

$$7(1-7x) = -39 - 3x$$

$$7 - 49x = -39 - 3x$$

$$+49x + 49x$$

$$7 = -39 + 46x$$

$$+39 + 39$$

$$46 = 46x$$

$$46 = 46x$$

$$46 = 46$$

$$x = 1$$

Two of the equations are solved correctly. One is solved incorrectly.Directions: 1. Identify the one that is wrong. 2. Highlight the mistake.3. Solve the incorrect problem properly.

37 + 3a = -8(3a - 8)	-5(1+7n) = -5+3n
37 + 3a = -24a + 64	-5 - 35n = -5 + 3n
-3a - 3a	<u>+5 + 5</u>
37 = -27a + 64	-35n = 3n
<u>-64</u> - <u>64</u>	-3n $-3n$
-27 = -27a	-38n = 0
-27 -27	-38 - 38
$1 = \mathbf{a}$	n = 0

$$-4(1-2r) = -r - 13$$

$$-4 + 8r = -r - 13$$

$$+4 \qquad +4$$

$$8r = -r - 9$$

$$\frac{+r = +r}{9r = -9}$$

$$9 \qquad 9$$

$$r = 0$$