

Using the Distributive Property

Simplify each expression.

1) $-6(a + 8)$

2) $4(1 + 9x)$

3) $6(-5n + 7)$

4) $(9m + 10) \cdot 2$

5) $(-4 - 3n) \cdot -8$

6) $8(-b - 4)$

7) $(1 - 7n) \cdot 5$

8) $-6(x + 4)$

9) $5(3m - 6)$

10) $(-6p + 7) \cdot -4$

11) $5(b - 1)$

12) $(x + 9) \cdot 5$

Let's Practice Solving Integers!

Practice, Practice, Practice

Name _____
Period _____

-1	3	—
4	-7	—
—	—	<input type="checkbox"/>

13	-2	—
-3	5	—
—	—	<input type="checkbox"/>

10	-11	—
8	-10	—
—	—	<input type="checkbox"/>

-7	-3	—
-4	-9	—
—	—	<input type="checkbox"/>

49	-81	—
-15	10	—
—	—	<input type="checkbox"/>

17	-47	—
-63	-8	—
—	—	<input type="checkbox"/>

5x	2x	—
-3x	-9x	—
—	—	<input type="checkbox"/>

-4x	8x	—
10x	-7x	—
—	—	<input type="checkbox"/>

Solving Equations Review
Find and Fix the Mistakes

Problem and Incorrect Solution	Explanation of Errors Made (some have more than one mistake)	Correct Solution (show all work)
$ \begin{array}{r} -2(8m + 8) = -16 \\ -16m + 16 = -16 \\ \quad -16 \quad -16 \\ \hline -16m \quad = -32 \\ \frac{-16m}{16} \quad = \frac{-32}{16} \\ m \quad = -2 \end{array} $		
$ \begin{array}{r} 5(1 + 4h) + 2h = 27 \\ 5 + 20h + 2h = 27 \\ \quad 27h = 27 \\ \quad \frac{27h}{27} = \frac{27}{27} \\ \quad h = 1 \end{array} $		
$ \begin{array}{r} -2(x - 8) + 4x = -12 \\ -2x - 16 + 4x = -12 \\ -2x - 16 + 4x = -12 \\ \quad -2x - 16 = -12 \\ \quad \quad +16 \quad +16 \\ \hline -2x \quad = 4 \\ \frac{-2x}{2} \quad = \frac{4}{2} \\ x \quad = 2 \end{array} $		

Solving Equations

Directions: Please **show all your work** by showing all your steps.

1. $\frac{v}{8} = 2$

Describe what you did after each step

Given

2. $5a + 11 = 12$

Given

3. $-2(6p - 7) = 4 - 9p$

Given

5. $\frac{1}{2}(26 - 14y) + 2y = -4(8 + y) - 10 + 4y$

Given