

Math 8

The Distributive Law

Name: \_\_\_\_\_

Expand each expression. show your "work".

The first one has been done for you.

$$\begin{aligned} \textcircled{1} \quad & 3(x+2) \\ & 3 \cdot x + 3 \cdot 2 \\ & 3x + 6 \end{aligned}$$

$$\textcircled{2} \quad 6(a+4)$$

$$\textcircled{3} \quad 7(y+3)$$

$$\textcircled{4} \quad 10(z+5)$$

$$\textcircled{5} \quad 4(x-4)$$

$$\textcircled{6} \quad 2(x-9)$$

$$\textcircled{7} \quad 3(c-4)$$

$$\textcircled{8} \quad -3(x+5)$$

$$\textcircled{9} \quad -7(a+2)$$

$$\textcircled{10} \quad -6(w+5)$$

$$\textcircled{11} \quad -11(x-2)$$

$$\textcircled{12} \quad -9(y-3)$$

\* Tips/ Hints \*

- The number in front multiplies BOTH terms
- The "sign rule" is still in effect
  - ↳ same signs: + answer
  - ↳ diff signs: - answer
- These are expressions, there is no "=" sign  
so you can't "solve for x" (or any variable)

\* Always work vertically - down the page.