## Section 1: Distributive Property with variables



Dealing with Variables.

The distributive property can be applied when variables are involved.
A variable is just a letter than stands for a number.

Example

$$
\begin{aligned}
6(n+5) & =(6 \cdot n)+(6 \cdot 5) \\
& =6 n+30
\end{aligned}
$$

Guided Practice Apply the distributive property to create an equivalent expression
$11(a-4) \quad(x+3) 9 \quad 6(2 k+7)$

11a-44
$9 x+27$
$12 k+42$

You Try Apply the distributive property to create an equivalent expression.
$3(x+5)$
$(w+2) 6$
$3(5 p-4)$
$3 x+15$
$6 w+12$
15p-12

