Distributive Property in Expressions
I. Distributive Property
A. A Double Rainbow
ex:

$3 x+12$

$$
\begin{aligned}
& \text { ex: } \frac{4(y+7)}{-4 y-28} \\
& \text { ex: }-5(z-8) \\
&-5 z+40
\end{aligned}
$$

$$
e x: \frac{4(6 b+5)}{-246-20}
$$

*** means - 1
II. Combining w/ Expressions
A. Simplify distributive property first.

Distributive Prop.

$$
\begin{aligned}
& \text { ex: } a+b=1(2 a-3 b) \\
& 2+b \geq 2 a+3 b \\
& -a+4 b
\end{aligned}
$$

$$
\begin{aligned}
& \text { ex: Dist. Pore } \\
& =2(c-4 d)+c=(d+4) \\
& -z \in+4 d+x \rightarrow d \rightarrow 4 \\
& -c+7 d-4
\end{aligned}
$$

ex:

$$
\begin{aligned}
& 3 x+(7 x-5) \\
& 3 x+7 x-5 \\
& 10 x-5
\end{aligned}
$$

