Alg. Lesson 1-4 Distributive Property

OAS: A1.A.3.4 Evaluate linear, absolute value, rational, and radical expressions. Include applying a nonstandard operation such as a@ b = 2a + b.

Distributive Property	3(2 + 5) = 3(2) + 3(5) 3(7) = 6 + 15 21 = 21	a(b + c) = ab + ac

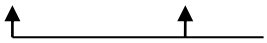
Ex) Rewrite each expression using distributive property: then simplify.

$$7(w - 5)$$
$$7w - 7(5)$$
$$7w - 35$$

Sometimes, after the distributive property, there is more than one term with the same variable. These are called <u>like terms</u>

Ex)

$$5(w - 4) + w$$
$$5w - 4(5) + w \qquad \text{distributive property}$$



Like terms

$$6w - 4(5) \qquad \text{Combine like terms}$$
$$6w - 20 \qquad \text{Simplify}$$