

Choose one of the following methods to create an equivalent expression :

Notes: Create equivalent Expressions

A. Distributive property – Rewrite any expressions with parentheses.

Ex. $6(3 + 4x)$ is equivalent to $18 + 24x$.

B. Factor out the GCF of two terms.

Ex. $88 + 20$ is equivalent to $4(22 + 5)$

C. Combine any like terms. (Operation symbols to the left of the term go with the term.)

Ex. $3x + 12 - x + 8$ is equivalent to $2x + 20$

A. Distributive Property

$$3(10 + 9x)$$

$$30 + 27x \leftarrow \text{final answer}$$

B. "Factor Out" the GCF

$$27m + 18$$

$$9(3m + 2)$$

* What is the GCF of 27 and 18?

* Then divide each term inside the parentheses by the GCF to create a new expression.

C. Combining Like Terms

* take the operation symbol with the term!!

$$7y + 3m + 2y + 5m$$

7y + 2y = 9y

+3m + 5m + 8m

9y + 8m
new expression