

## Adding &amp; Subtracting Expressions

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Key Words:

Add = Sum

Subtract = Difference

Ex)

$$\begin{array}{r} (3x + 2) + (2x - 4) \\ + 2x - 4 \\ \hline \boxed{5x - 2} \end{array}$$

$$\begin{array}{r} (3x + 2) - (2x - 4) \\ - 2x + 4 \\ \hline \boxed{x + 6} \end{array}$$

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1. Find the sum of  $(2x + 4)$  and  $(-3x + 3)$ .

Add

$$\begin{array}{r} (2x + 4) + (-3x + 3) \\ - 3x + 3 \\ \hline -x + 7 \text{ OR } -x + 7 \end{array}$$

2. Find the sum of  $(-4m - 5)$  and  $(2m + 7)$ .

add

$$\begin{array}{r} (-4m - 5) + (2m + 7) \\ + 2m + 7 \\ \hline \boxed{-2m + 2} \end{array}$$

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3. Find the difference of  $(2x + 4)$  and  $(-3x + 3)$ .

Subtract

$$\begin{array}{r} (2x+4) - (-3x+3) \\ +3x-3 \\ \hline 5x+1 \end{array}$$

4. Find the difference of  $(-4m - 5)$  and  $(2m + 7)$ .

Subtract

$$\begin{array}{r} (-4m-5) - (2m+7) \\ -2m-7 \\ \hline -6m-12 \end{array}$$

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On Own:

1. Find the sum of  $(2x - 3)$  and  $(-9x + 1)$

$$\begin{array}{r} (2x-3) + (-9x+1) \\ -9x+1 \\ \hline -7x-2 \end{array}$$

2. Find the difference of  $(x - 4)$  and  $(-2x + 5)$

$$\begin{array}{r} (x-4) - (-2x+5) \\ +2x-5 \\ \hline 3x-9 \end{array}$$

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