

Add Linear Expressions

You can add expressions using the properties of operations.

Let's try it! Simplify $(2x - 15) + (-5x + 9)$.

$(2x - 15) + (-5x + 9)$ Identify like terms.

$[2x + (-5x)] + (-15 + 9)$ Use the commutative and associative properties to reorder and group like terms.

$-3x + (-6)$ Combine like terms.

$-3x - 6$ Rewrite addition as subtraction to simplify the final expression.



Try it yourself! Find each sum.

1. $(-3m + 7) + (4m - 12)$	2. $(-2h + 8) + (-6h + 4)$
3. $(9p - 3) + (-11p - 8)$	4. $(-t - 14) + (8t + 6)$
5. $(4c + 13) + (-c + 5d - 7)$	6. $(3v - 8w + 19) + (6w - 6)$
7. $(2j + 10k - 7) + (-5j - 6k + 9)$	8. $(3f - 20g - 1) + (-f + 4g - 9)$
9. $(-0.2n - 6.5) + (5.3n + 9.4)$	10. $\left(\frac{3}{4}z - \frac{3}{8}\right) + \left(\frac{1}{4}z + \frac{7}{8}\right)$
11. $(-3.1a + 5.26) + (-2.5a + 4.75b - 12.4)$	12. $\left(\frac{2}{5}x - \frac{5}{6}y - 9\right) + \left(-\frac{4}{5}x + 4\right)$