

\* Subtract the smaller number from the larger number and keep the sign of the larger number.





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## **Addition / Subtraction**

OPPOSITE SIGNS	SAME SIGNS
$(-+) OR (+-) \Rightarrow$ Subtract the smaller number from the larger number, and keep the sign of the larger #.	$() \text{ OR } (++) \Rightarrow $ Add the numbers, and keep the sign that they have in common.
Examples with answers:	Examples with answers:
- 10 + 20 = 10	-7-9 = -16
10 - 20 = -10	7 + 9 = 16
-30x + 12x = -18x	-11x - 4x = -15x
$-5x^2 + 2x^2 = -3x^2$	$x^2 + 9x^2 = 10x^2$
14xy - 6xy = 8xy	8q + 14q = 22q
-3z + 13z = 10z	- 3rs - 20rs = - 23rs
4t - 5t + 7t = 6t	-10w - 2w - w = -13w
Working two terms at a time, note that the numbers 4 and 5 have opposite signs, soThe opposite-signed numbers -1 and +7 will subtract, resulting in the solution + 6t.subtract to get -1.	Beginning with the first two terms, notice that the numbers 10 and 2 have the same sign (negative in this case), so add to get -12. Add the numbers -12 and -1 to get -13 (Note: There is an understood 1 in front of the w, as in - 1w).



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