



2. If $6x - y = 21$ and $6y - x = 14$, what is the value of $x - y$?

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2. A Subtracting the second equation from the first: $6x - y - (6y - x) = 21 - 14$. So $7x - 7y = 7$, that is $x - y = 1$.
(The equations may be solved to give $x = 4$, $y = 3$, but it is not necessary to do this in order to find the value of $x - y$.)