Integers: Subtraction

Subtracting two integers

When subtracting two integers, change the subtraction sign to addition and replace the integer being subtracted with its opposite.

$$\text{DEFINITION:}\quad a - b = a + (-b)$$

Examples:

        7 - 4 = ?   Rewrite it as: 7 + (-4) = ? then follow the rules for addition. 7 + (-4) = 3

        -5 - (-3) = ? Rewrite it as: -5 + (+3) = -5 + 3 = ?   -5 + 3 = -2

        3 - (-4) = ? Rewrite it as: 3 + (+4) = 3 + 4 = ?   3 + 4 = 7

        6 - 10 = ?   Rewrite it as: 6 + (-10) = ?
                      The 10 in the original problem is a positive 10.   6 + (-10) = -4

TRY:

1)	7 - 15	_____	9)	-8 - (-5)	_____
2)	-6 - 6	_____	10)	-10 - 6	_____
3)	8 - (-60)	_____	11)	11 - (-5)	_____
4)	44 - 76	_____	12)	3 - (-8)	_____
5)	5 - (-5)	_____	13)	-6 - 12	_____
6)	-6 - 8	_____	14)	-4 - (-7)	_____
7)	5 - 9	_____	15)	34 - (-8)	_____
8)	-12 - 21	_____	16)	-3 - (-8)	_____

TRY:

Hy's checking account shows a balance of $258. It was discovered that a deposit of $65 was accidentally recorded as a check for $65. What is the corrected balance?