Math 8 / 8H

**HW 3.1b**

Check the circled answer to see if it is a solution to the equation given. Show order of operations work and your answer (yes or no). If needed, do your work on a separate sheet of paper and staple it to the back.

5

-3

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| --- | --- | --- | --- |
| **1.** | 2x + 3 = 13  4 | **2.** | 3x + 7 = 16  8 |
| **3.** | 2x + 2 = 10    1 | **4.** | 2x + 5 = 21  -1 |
| **5.** | 2x + 2 = 2    1 | **6.** | 2x + 1 = 3 |
| **7.** | 2x + 2 = 0  1 | **8.** | 10  30 |
| **9.** | 3x  = 3  7 | **10.** | -2x  = 20 |
| **11.** | 2x - 1 = 15 | **12.** | 7  -3 |
| **13.** | 3 | **14.** | 2x - 8 = 6 |
| **15.** | 3x + 8 – x = 20  14  -2 | **16.** | 3(x – 5) = 2(x – 8)  10  1 |
| **17.** | 4(x – 2) + 6 = 5x  -4 | **18.** | 3x – 5 = 25  0 |
| **19.** | 8 – 2x = 0  5 | **20.** | 9 – 3x = 3x  3 |
| **21.** | 5x – 2 = 3x + 8  1 | **22.** | 7x = -21  6 |
| **23.** | 9x + 3(x + 4) = 24  -2 | **24.** | 10x – 5(x + 2) = 20  -5 |
| **25.** | 9x = 18 | **26.** | 7x – 3x = 20 |