

Why Did Time Seem To Go Quickly at the Glue Factory?



Simplify the expression, then evaluate it for the given value of the variable. Find the simplified expression in the answer column. Write the letter of the simplified expression in the box that contains the value of the expression.

1. $-2x + 7 + 9x - 4$ if $x = 11$
2. $8 + 3x - (-5x) + 11$ if $x = -2$
3. $x - 12 + (-6x) - 1$ if $x = -8$
4. $-16 - 7x - x - (-5) + 2x$ if $x = 6$
5. $3(x - 4) + 10x$ if $x = -1$
6. $8x - 5(x + 6) - 8$ if $x = 20$
7. $15 - 2(7 - x) + 4x$ if $x = -9$
8. $12 - 3n + 4(2n + 5)$ if $n = 14$
9. $2n - 7(8 - 3n) + 6$ if $n = 3$
10. $-n + 9(-2n - 11) - 4$ if $n = -5$
11. $20\left(\frac{1}{5}n - \frac{3}{4}\right) + 9n$ if $n = -4$
12. $8 - \frac{2}{3}(6 - 15n) + n$ if $n = 7$
13. $n(n + 7) - 16n$ if $n = 10$
14. $10 - n(3n - 4) - n^2$ if $n = -3$

Simplified Expressions

- I. $-5x - 13$
- E. $13x - 38$
- S. $6x + 1$
- T. $7x + 3$
- S. $-6x - 11$
- A. $3x - 38$
- R. $6x - 12$
- A. $8x + 19$
- E. $13x - 12$
- N. $3x + 1$
- A. $23n - 50$
- S. $-4n^2 + 4n + 10$
- L. $2n^2 - 7n$
- P. $11n + 4$
- W. $-19n - 103$
- E. $13n + 4$
- T. $5n + 32$
- F. $n^2 - 9n$
- S. $11n - 103$
- T. $13n - 15$

27	102	96	-8	3	-53	-59	10	22	-47	-67	13	81	19	-38	80	-25
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Answers to ODD problems

$$\textcircled{1} \quad -\underline{2x} + \underline{7} + \underline{9x} - \underline{4}$$

$$\textcircled{T} \quad \boxed{7x+3} \quad x=11$$

$$7(11)+3$$

$$77+3$$

$$\textcircled{80}$$

$$\textcircled{3} \quad \underline{x-12} + \underline{(-6x)-1}$$

$$\textcircled{I} \quad \boxed{-5x-13} \quad x=-8$$

$$-5(-8)-13$$

$$40-13$$

$$\textcircled{27}$$

$$\textcircled{5} \quad 3(\underline{x-4}) + 10x$$

$$\underline{3x-12} + \underline{10x}$$

$$\textcircled{E} \quad \boxed{13x-12} \quad x=-1$$

$$13(-1)-12$$

$$-13-12$$

$$\textcircled{-25}$$

$$\textcircled{7} \quad 15 - 2(\underline{7-x}) + 4x$$

$$\underline{15-14} + \underline{2x} + \underline{4x}$$

$$\textcircled{S} \quad \boxed{6x+1} \quad x=-9$$

$$6(-9)+1$$

$$-54+1$$

$$\textcircled{-53}$$

$$\textcircled{9} \quad 2n - 7(\underline{8-3n}) + 6$$

$$\underline{2n-56} + \underline{21n} + \underline{6}$$

$$\textcircled{A} \quad \boxed{23n-50} \quad n=3$$

$$23(3)-50$$

$$69-50$$

$$\textcircled{19}$$

$$\textcircled{11} \quad 20\left(\underline{\frac{1}{5}n - \frac{3}{4}}\right) + 9n$$

$$\underline{4n-15} + \underline{9n}$$

$$\textcircled{T} \quad \boxed{13n-15} \quad n=-4$$

$$13(-4)-15$$

$$-42-15$$

$$\textcircled{-57}$$

$$\textcircled{13} \quad n(\underline{n+7}) - 16n$$

$$\underline{n^2+7n} - \underline{16n}$$

$$\textcircled{F} \quad \boxed{n^2-9n} \quad n=10$$

$$(10)^2 - 9(10)$$

$$100 - 90$$

$$\textcircled{10}$$