

Problems 18 - 25 remove parenthesis and simplify. Please circle your answer.

20.  $9x - (4x + 3) = 9x - 4x - 3 = \textcircled{5x - 3}$

21.  $3a + 2a - (4a + 7) = 3a + 2a - 4a - 7 = \textcircled{a - 7}$

22.  $8[7 - 6(4 - 2)] = 8[7 - 6(2)] = 8[7 - 12] = 8[-5] = \textcircled{-40}$

23.  $2(x + 4) + 2x - 8 = 2x + 8 + 2x - 8 = 2x + 2x + 8 - 8 = \textcircled{4x}$

24.  $2x + 4y - (2z + 3x) - 8 + 5y = 2x + 4y - 2z - 3x - 8 + 5y = 2x - 3x + 4y + 5y - 2z - 8 = \textcircled{-x + 9y - 2z - 8}$

25.  $-(x + 5y) + 2(x - y) =$

Problems 26 - 30 translate each phrase to an algebraic expression. Use any letter for the variable. Please circle your answer.

26. Twelve less than some number

$\textcircled{n - 12}$

27. The sum of nine and some number

$\textcircled{n + 9}$  or  $9 + n$

28. Two more than six times some number

$\textcircled{6n + 2}$  or  $2 + 6n$

29. Twice some number

$\textcircled{2n}$

30. The difference of two numbers

$\textcircled{n - m}$