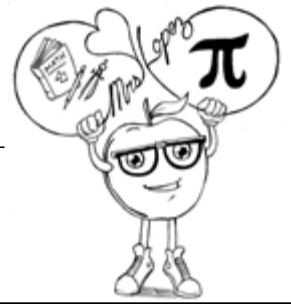


# ASSIGNMENT #3: Multi-Step Equations



Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

Solve each equation.

1)  $-20 = -4x - 6x$

{2}

2)  $6 = 1 - 2n + 5$

{0}

Score: \_\_\_\_\_ / 10

3)  $8x - 2 = -9 + 7x$

{-7}

4)  $a + 5 = -5a + 5$

{0}

5)  $4m - 4 = 4m$

No solution.

6)  $p - 1 = 5p + 3p - 8$

{1}

7)  $5p - 14 = 8p + 4$

{-6}

8)  $p - 4 = -9 + p$

No solution.

9)  $-8 = -(x + 4)$

{4}

10)  $12 = -4(-6x - 3)$

{0}

11)  $14 = -(p - 8)$

{-6}

12)  $-(7 - 4x) = 9$

{4}

13)  $-18 - 6k = 6(1 + 3k)$

{-1}

14)  $5n + 34 = -2(1 - 7n)$

{4}

15)  $2(4x - 3) - 8 = 4 + 2x$

{3}

16)  $3n - 5 = -8(6 + 5n)$

{-1}

17)  $-(1 + 7x) - 6(-7 - x) = 36$

{5}

18)  $-3(4x + 3) + 4(6x + 1) = 43$

{4}

19)  $24a - 22 = -4(1 - 6a)$

No solution.

20)  $-5(1 - 5x) + 5(-8x - 2) = -4x - 8x$

{-5}