

Unit 1 Hw #10 Sect. 1.6

Date _____ Period _____

State the type of solution each equation has: One-Solution, Infinitely Many (Identity), or No Solution.

1) $9(3x + 5) - 12(2x + 5) = 3x - 8 - 12$

2) $-10(-r + 8) = -58 + 12r$

3) $48 + 12x = 6(8 + 2x)$

4) $63 + 10a = 7(a + 12) - 6$

5) $4(7 - x) = -4x + 37$

6) $4(k + 4) + 11 = 3(k + 10) + k - 3$

Solve each equation.

7) $-22 = 1 + 13x + 10x$

8) $-156 = -12(1 - x)$

9) $-\frac{4}{3} = \frac{11}{4}p - \frac{4}{3} - 2p$

10) $-1.1n + 69.16 = 2.7n - 7.1(n - 8.3)$

11) $6 - 6(1 - 10k) = -2k - 62$

12) $3a + 4(a + 7) = 19 + 7a$

13) $4(r + 6) = -6r + 2(13r - 12)$

14) $8(12 + m) = 8(m + 10) + 16$