Honors
Algebra 1 NTI 3

Name_____

Solving Equations with Special Cases

Solve each equation.

1) $-7p + 5(-8 + 3p) = -40 + 8p$

$-7p - 40 + 15p$

$8p - 40 = -40 + 8p$

$-8p \quad\quad -8p$

$-40 = -40$

Infinite Solutions

2) $-4(x - 7) = 20 - 4x$

$-4x + 28 = 20 - 4x$

$+4x \quad\quad +4x$

$28 = 20$

(No Solutions)

3) $-4x - 13 = -6(x + 3) + 2x$

4) $32 + 4a = 4(a + 8)$

5) $40 + 4m = -3(m + 3)$

6) $-35 - 5n = -8(-1 + 6n)$

7) $4x + 24 = 3(1 - x)$

8) $8(x - 7) - 3x = -32 - 3x$

9) $-4 - 7k = -(7k - 1)$

10) $11 + x = 4 - (1 - x)$

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