

NTI Day 3: Multi-Step Equations

Solve each equation. Show all of your work for credit. Please Circle your answer.

1) $7(-4n - 7) = -161$

2) $7(-5x + 2) = 119$

3) $6(2 + 6x) = 264$

4) $84 = 7(x + 4)$

5) $-4(5 - 7x) = -216$

6) $-8(8x + 7) = 136$

7) $-307 = 1 - 7(2 - 6n)$

8) $-139 = x - 6(1 - 3x)$

9) $144 = 6(4 + 5x)$

10) $-90 = -3 - 3(8 + 3n)$

$$11) -8p - 3p = -4 - 7p$$

$$12) 1 + 3n = -n - 11$$

$$13) n - 6 = 4 + n - 5 - 5$$

$$14) 12 + 4b = 3b + 3b$$

$$15) -14 - 2a = -a - 8$$

$$16) 10 - 4a = -3a + a$$

$$17) 30 + 4n = 4n - 5(5n + 4)$$

$$18) 8(-3x + 8) - 4x = 34 + 2x$$

$$19) 4(v + 2) - 3(4v + 6) = v - 4 + v + 4$$

$$20) 6(-7m + 1) = -6(5m + 3)$$