



MATHEMATICS

Algebra 1 – 7th and 8th Grade

NTI DAY 9

Please complete the attached assignment and turn in within 3 days of the NTI Day.

Coach Gilly

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Solve each equation.

1) $8(-9 + 4k) - 5(-4 + 6k) = 1 + 11k + 10$

- A) $\{-12\}$ B) $\{-7\}$
C) $\{-11\}$ D) $\{-19\}$

2) $6(-6 + 2n) = 2(5n - 9)$

- A) $\{9\}$ B) $\{-22\}$
C) $\{-7\}$ D) $\{2\}$

3) $-8(2x + 5) + 8(1 + 3x) = 6x - 2x$

- A) $\{8\}$
B) $\{1\}$
C) $\{\text{All real numbers.}\}$
D) $\{21\}$

4) $10(1 - 9p) - 6p = -8 + 9(9p + 2)$

- A) $\{14\}$ B) $\{0\}$
C) $\{-9\}$ D) $\{-5\}$

5) $8(n + 3) - (10 - 10n) = n + 10n$

- A) $\{-24\}$ B) $\{-2\}$
C) $\{0\}$ D) $\{-12\}$

6) $-4(n - 6) = -5(n - 2) + 6$

- A) $\{-4\}$ B) $\{17\}$
C) $\{-8\}$ D) $\{-15\}$

7) $10(12 - x) + 7 = -9(9 + 4x)$

- A) $\{16\}$ B) $\{-18\}$
C) $\{-8\}$ D) $\{-1\}$
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