

Solving Equations Review - Systems of Equations Pre-work. Date _____

CLASS EXAMPLES: Solve each equation.

1) $-9 = v - 15$

2) $9 + \frac{n}{5} = 6$

Solve each equation.

3) $25 = 8 + b$

4) $\frac{n}{4} = 13$

5) $n - 6 = 8$

6) $-4 = -13 - x$

7) $-3 + \frac{k}{6} = -4$

8) $10(r + 7) = 180$

9) $-64 = 8k + 8$

10) $-4r - 7 = 57$

CLASS EXAMPLE: Solve each equation.

11) $a + 3 - 3a = -3$

12) $6r + 14 = 2r - 6$

Solve each equation.

13) $8 + x - x = 8$

14) $-2 = 3p - p$

15) $-8 - 4x = 10 + x + 6 + 3x$

16) $7b + 2 = 2 + 2b$

CLASS EXAMPLES: Solve each equation.

17) $-8(-7m + 5) + 5m = -40 - 7m$

18) $-(6 - 3x) = 9 + 6x$

Solve each equation. - For organization, this section should be done on a separate sheet of paper!

19) $2(n + 7) - 4 = 38 + 6n$

20) $-31 + 6v = 6(4 + 5v) - 7$

21) $5(8n - 7) = -35 - n$

22) $-5(5 + v) + 8 = -5 - v$

23) $x + 2(x + 6) = 4(-2x - 8)$

24) $7(3 - 3n) = -4(7n - 7)$

Answers to Solving Equations Review - Systems of Equations Pre-work. (ID: 1)

1) $\{6\}$

9) $\{-9\}$

15) $\{-3\}$

23) $\{-4\}$

3) $\{17\}$

11) $\{3\}$

17) $\{0\}$

5) $\{14\}$

13) $\{\text{All real numbers.}\}$

19) $\{-7\}$

7) $\{-6\}$

21) $\{0\}$