

## Alg I 2.4 Worksheet

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each equation.**

1)  $p - 8 = 0$

2)  $-22 = -4 + x$

3)  $50 = 5(v - 3)$

4)  $-4 = \frac{-1 + m}{3}$

5)  $30 = 6(9 + k)$

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

7)  $3(6r + 1) = -105$

8)  $7(x - 4) = -84$

$$9) 3 + 3p + 1 = 3p + 4$$

$$10) 4 + 3x = 1 + 4x$$

$$11) -4k + 34 = -6(1 + 2k)$$

$$12) -17 + 5x = -5(1 - 3x) - 8x$$

$$13) -5 - 2(n + 2) = -5(n - 3) + 3$$

$$14) -4(4 + 5p) = -1 - 5(2p + 3)$$

$$15) 3(r - 5) - 3 = 2r - (-r - 3)$$

$$16) 3(1 - 4r) = 3r + 4(-3 - 5r)$$

## Answers to Alg I 2.4 Worksheet (ID: 1)

- |                                   |              |              |                  |
|-----------------------------------|--------------|--------------|------------------|
| 1) $\{8\}$                        | 2) $\{-18\}$ | 3) $\{13\}$  | 4) $\{-11\}$     |
| 5) $\{-4\}$                       | 6) $\{-4\}$  | 7) $\{-6\}$  | 8) $\{-8\}$      |
| 9) $\{\text{All real numbers.}\}$ | 10) $\{3\}$  | 11) $\{-5\}$ |                  |
| 12) $\{-6\}$                      | 13) $\{9\}$  | 14) $\{0\}$  | 15) No solution. |
| 16) $\{-3\}$                      |              |              |                  |