

## Solving Equations & Systems:

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**Solve each equation.**

1)  $-66 = 11b$

2)  $-\frac{19}{14} = \frac{k}{14}$

3)  $-4 = n + 23$

4)  $25 = \frac{m}{29}$

5)  $p - 96 = -38$

6)  $19 = 32 - k$

7)  $-3(1 - 8p) - 6 = -81$

8)  $179 = 8 + 3(1 - 8x)$

9)  $-5(3b + 8) = 28 + 2b$

10)  $9 + 4x = -(7x - 1) + 7x$

11)  $6n - 4(2n - 3) = -5(n - 3)$

12)  $10(7 + 3k) = 10(1 + 4k)$

**Solve each system by elimination.**

13)  $16x + 9y = -23$   
 $-8x - 6y = 10$

14)  $6x + 12y = -27$   
 $2x + 4y = -12$

**Solve each system by substitution.**

15)  $x + 5y = 21$   
 $7x + 4y = -8$

16)  $x - y = 3$   
 $2x - 2y = 6$