

# Solving Linear Equations SUDOKU

Name: \_\_\_\_\_

|   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|
|   | A | B | C | D | E | F | G | H | I |
| J |   |   |   |   |   |   |   |   |   |
| K |   |   |   |   |   |   |   |   |   |
| L |   |   |   |   |   |   |   |   |   |
| M |   |   |   |   |   |   |   |   |   |
| N |   |   |   |   |   |   |   |   |   |
| O |   |   |   |   |   |   |   |   |   |
| P |   |   |   |   |   |   |   |   |   |
| Q |   |   |   |   |   |   |   |   |   |
| R |   |   |   |   |   |   |   |   |   |

Solve each equation on a separate piece of paper. Place answers in the appropriate box. Check your work by completing the 20 positions. Fill in the remaining boxes in the Sudoku.

AJ:  $-9 = 6x - 14$   
 AM:  $-2x - 13 = -3x - 5$   
 AO:  $4x - 2x = 18$   
 AQ:  $3m + 4.2m = 15$   
 AR:  $2(p + q) = 22$   
 BL:  $-4(x + 6) = -40$   
 BO:  $7m - 3m - 4 = 6$   
 CL:  $\frac{2}{3} + \frac{5x}{4} = \frac{71}{12}$   
 CP:  $8y - 6y - 3 = 9$   
 DP:  $4x - 7 = 5 - 2x$   
 DI:  $5y - 3 = -2y + 12$

DK:  $\frac{2}{3} = \frac{22}{9}$   
 DR:  $6(y - 3) = 24$   
 EM:  $-2q - 5 = -11$   
 EO:  $5x + 2 = 2x + 5$   
 FL:  $3x - 7 = 20$   
 FM:  $\frac{2}{3} - 4 = -3$   
 FO:  $3x - 2 = 16$   
 FR:  $9 = -4y + 6y - 5$   
 GL:  $-6x + 2x = -36$   
 GP:  $6 - 3(2x - 4) = -28$   
 HM:  $-0.04x + 1.20 = 1.08$   
 HR:  $4x - 3 = x + 9$   
 IR:  $4\left(\frac{2}{3} + x\right) = 5$   
 IC:  $6x = 24$   
 IM:  $3x + 4 = x + 18$   
 IO:  $0.5x - 3x + 5 = 0$   
 IR:  $-6x + 3 = -34$