

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

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