

3) Vyřeš soustavu tří rovnic a udělej zkoušku:

a) $x + 2y = 5$
 $y - 3z = 5$
 $3x - z = 4$

b) $x + y = 13$
 $y - z = 5$
 $x - z = 2$

c) $4x + 3y = 4$
 $2x + 2y - 2z = 0$
 $5x + 3y + z = -2$

d) $x - 2y - 3z = 0$
 $3x + 2y - z = 0$
 $3y + z = 0$

e) $x + 2y = 5$
 $y - 3z = 5$
 $3x - z = 4$

f) $2x - y + z = 0$
 $x + 2y - 2z = 0$
 $3x + y - z = 0$

g) $-x + 3y = -72$
 $3x + 4y - 4z = -4$
 $-20x - 12y + 5z = -50$

h) $16x + 16y + 17z = 10$
 $-14x + 17y - 3z = 75$
 $-5x - 11y - 18z = 43$

i) $x + 2y - z = 1$
 $2x + 3y + z = 2$
 $x + 3y - 2z = 1$

j) $x + y + 2z = 4$
 $x - 2y + z = 0$
 $x - 5y = -4$

k) $x + 2y + 3z = 14$
 $3x + 2y + z = 10$
 $3x + y + 2z = 11$

l) $x + y + z = 4$
 $x + 2y + 4z = 12$
 $2x - 3y - z = 4$

4) Vyřeš soustavu čtyř rovnic a udělej zkoušku:

a) $2a + 2b - c + d = 4$
 $4a + 3b - c + 2d = 6$
 $8a + 5b - 3c + 4d = 12$
 $3a + 3b - 2c + 2d = 6$

b) $-a + b - c + d = 0$
 $-2a + b + c - 3d = 0$
 $a + 2b - 3c + d = 0$
 $2a + 3b + 4c - d = 0$

c) $2a + b - c + d = 1$
 $3a - 2b + 2c - 3d = 2$
 $2a - b + c - 3d = 4$
 $5a + b - c + 2d = -1$

d) $a + 2b + 3c - 2d = 6$
 $3a + 2b - c + 2d = 4$
 $2a - b - 2c - 3d = 2$
 $2a - 3b + 2c + d = 8$

e) $2a + 3b + 11c + 5d = 2$
 $a + b + 5c + 2d = 1$
 $2a + b - 3c + 2d = -3$
 $a + b - 3c + 4d = -3$

f) $2a + 5b + 4c + d = 20$
 $a + 3b + 2c + d = 11$
 $2a + 10b + 9c + 7d = 40$
 $3a + 8b + 9c + 2d = 37$

g) $a - 3b - 26c + 22d = 0$
 $a - 8c + 7d = 0$
 $a + b - 2c + 2d = 0$
 $4a + 5b - 2c + 3d = 0$

h) $a + 2b + 3c + 4d = 0$
 $7a + 14b + 20c + 27d = 0$
 $5a + 10b + 16c + 19d = -2$
 $3a + 5b + 6c + 13d = 5$

