1. (a) I: $4x + 3y = 14$
   II: $2x - y = 12$
   (b) I: $-4x - y = 40$
   II: $x + 5y = 9$
   (c) I: $2x - 6y = 6$
   II: $5x + 3y = 42$
   (d) I: $4x + 2y = 4$
   II: $-6x + 3y = 33$
   (e) I: $12x + 11y = 18$
   II: $16x - 7y = -2$
   (f) I: $3x - 10y = 3$
   II: $-9x + 24y = -10$
   (g) I: $14x - 8y = 10$
   II: $-21x + 15y = 60$
   (h) I: $18x + 24y = -132$
   II: $27x - 40y = 676$
   (i) I: $11x - 10y = 13$
   II: $-8x + 7y = -7$

2. (a) I: $12x + 9y = 15$
   II: $4x + 3y = 5$
   (b) I: $x - 4y = 3$
   II: $-5x + 20y = 10$
   (c) I: $4x + 6y = 7$
   II: $6x + 9y = 10$
   (d) I: $6x - 2y = -8$
   II: $-15x + 5y = 20$

3. (a) I: $2x + 3y + 5 = 5x + 6y - 1$
   II: $x - 4y - 2 = 2x - 2y$
   (b) I: $3(x + 5) = 2(2y - 1)$
   II: $4(3x - 6) = 3(y + 4)$
   (c) I: $5(2x + y) = 4(3y - 5x) + 13$
   II: $6(8x - 2y + 6) = 4(2y - 3x) - 4$
   (d) I: $2(2x + 3y) = 3(3x - y) + 5$
   II: $4(3x - 4y) = 2(x + y) - 10$
   (e) I: $(x + 5)(y + 1) = (x + 8)(y - 3)$
   II: $(x - 3)(y - 1) = (x - 1)(y + 3)$
   (f) I: $(x + 2)(y - 3) = (x - 3)(y + 4)$
   II: $(x - 6)(y + 9) = (x + 4)(y - 5)$

4. (a) I: $4x - 2y + z = 15$
   II: $-x + 3y + 4z = 15$
   III: $5x - y + 3z = 26$
   (b) I: $2x - 3y + z = 10$
   II: $x + y - 2z = -6$
   III: $3x - y - 4z = -5$
   (c) I: $x + y + z = 1$
   II: $17x + y - 7z = 9$
   III: $4x + 2y + z = 3$
   (d) I: $3y - z = 7$
   II: $2x - 3y + 2z = -21$
   III: $3x + y = -21$
   (e) I: $2x + 7y - z = 13$
   II: $17x - 3y + 4z = -9$
   III: $3x - 2y + z = -5$
   (f) I: $3x - 4y - 6z = 42$
   II: $-x - 2y + 3z = -6$
   III: $7x + 10y + 6z = 0$

LÖSUNGEN:

1. (a) $(5|-2)$
   (b) $(-11|4)$
   (c) $(7.5|1.5)$
   (d) $(-2.25|6.5)$
   (e) $(0.4|1.2)$
   (f) $(\frac{14}{9}|\frac{1}{6})$
   (g) $(15|25)$
   (h) $(8|-11.5)$
   (i) $(-7|-9)$
2. (a) unendlich viele Lösungen
   (b) L = {}
   (c) L = {}
   (d) unendlich viele Lösungen
3. (a) $(6|-4)$
   (b) $(5|8)$
   (c) $(3|11)$
   (d) unendlich viele Lösungen
   (e) $(-2|7)$
   (f) L = {}
4. (a) $(2|-1|5)$
   (b) $(0.7|-2.1|2.3)$
   (c) unendlich viele Lösungen
   (d) $(-8|3|2)$
   (e) L = {}
   (f) $(6|-3|-2)$