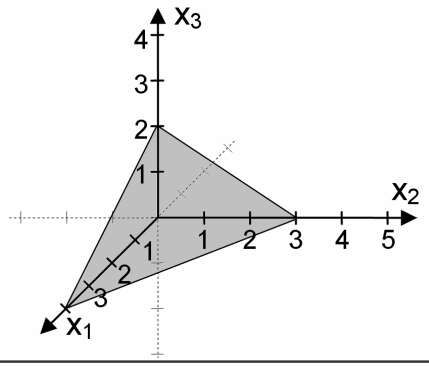
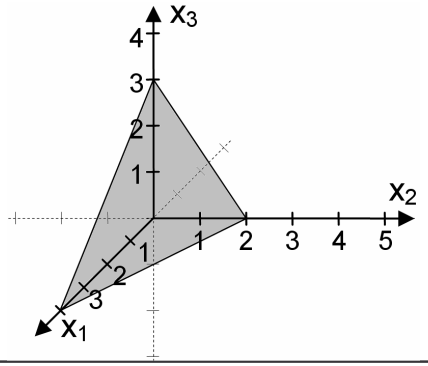
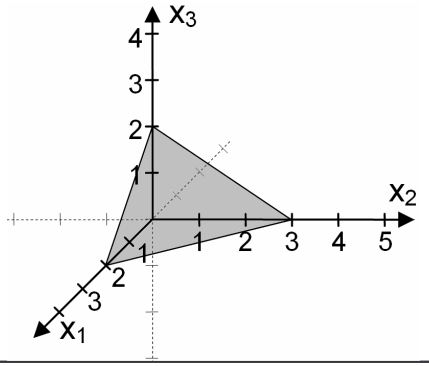


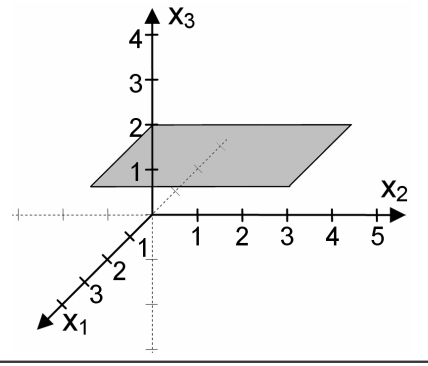
$$x_1 + \frac{1}{5}x_2 + \frac{1}{2}x_3 = 1$$



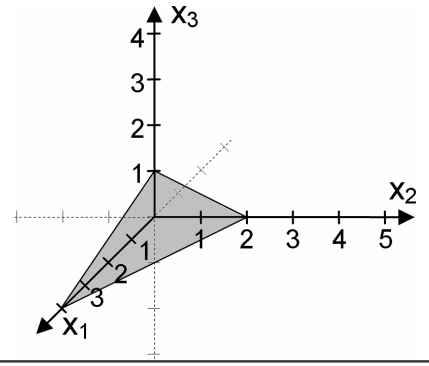
$$3x_1 + 4x_2 + 6x_3 = 12$$



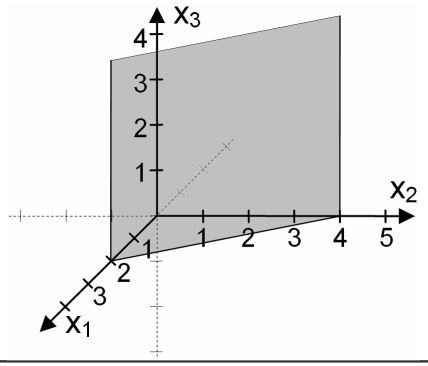
$$2x_1 + x_2 = 4$$



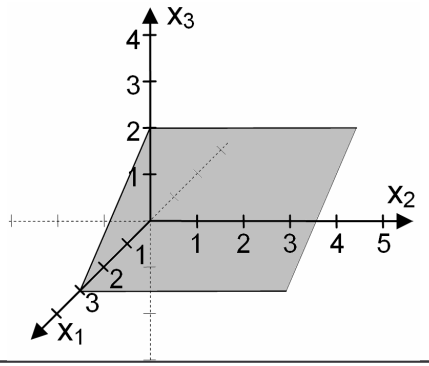
$$3x_1 + 2x_2 + 3x_3 = 6$$



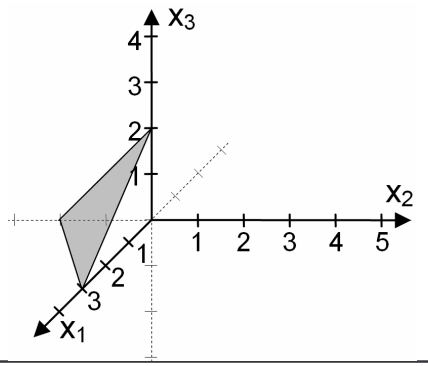
$$3x_1 + 6x_2 + 4x_3 = 12$$



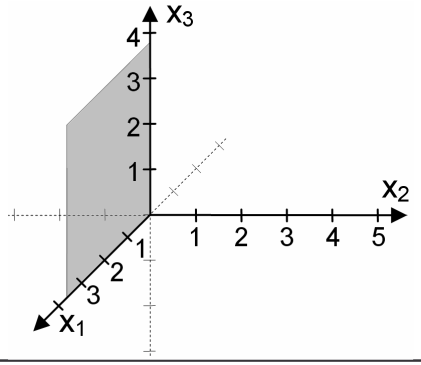
$$x_1 + 2x_2 + 4x_3 = 4$$



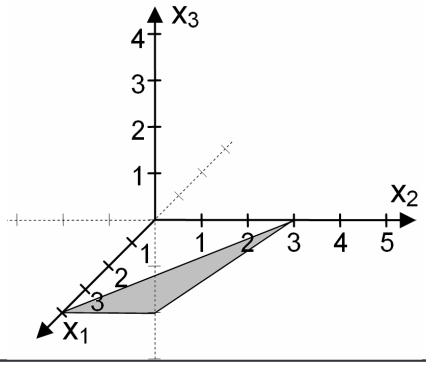
$$x_3 = 2$$



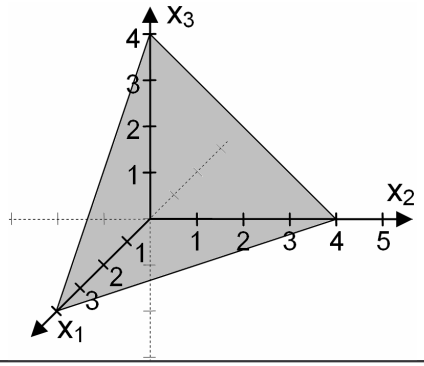
$$2x_1 + 3x_3 = 6$$



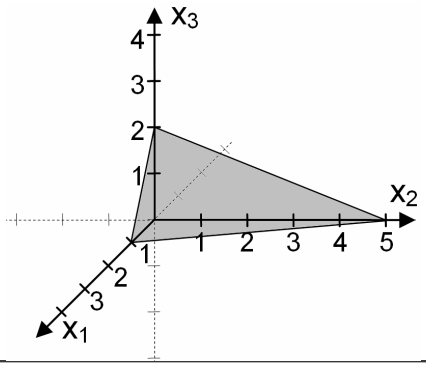
$2x_1 - 3x_2 + 3x_3 = 6$



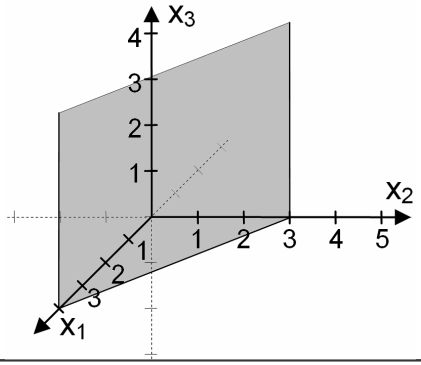
$x_2 = 0$



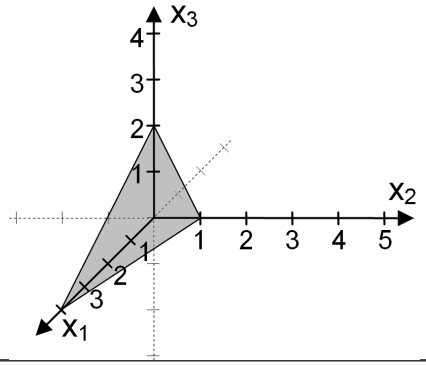
$x_1 + 4x_2 + 2x_3 = 4$



$x_1 + x_2 + x_3 = 4$



$3x_1 + 4x_2 - 6x_3 = 12$



$3x_1 + 4x_2 = 12$

Hilfe zur Berechnung von Spurpunkten:

Gegeben sei die Ebene E:
$3x_1 + 4x_2 + 6x_3 = 12$

Alle Punkte der x_1 – Achse haben die Koordinaten $x_2 = 0$ und $x_3 = 0$. Setzt man diese in die Ebenengleichung ein, so erhält man $x_1 = 4$.

Für die anderen Spurpunkte ergibt sich entsprechend $x_2 = 3$ und $x_3 = 2$.

Verbindet man diese Punkte, erhält man die Spurgeraden.

Lösungsfigur