

Problem 1

a)

$$x_4 = 1 - x_1 - x_2 - x_3$$

b)

Initial	$x_4 = 1 - x_1 - x_2 - x_3$
	$z = x_1 + x_2 + 1/4x_3$

Pivoting x_1	$x_1 = 1 - x_2 - x_3 - x_4$
	$z = 1 - 3/4x_3 - x_4$