

## Oefening 2015-10 AE-00006(2)

(1) Los op vir  $x$ :

$$(a) \frac{x+2}{4} - \frac{x-6}{3} = 0,5$$

$$(b) x(x-3) - (x-1)(x+1) = 2$$

$$(c) \frac{-7}{x-5} - \frac{2}{x+5} = \frac{2}{x^2-25}$$

$$(d) (x-3)(x+2) = -6$$

$$(e) 5x - (2x+3) < 9$$

$$(f) \frac{4}{x^2-4} - \frac{10}{x^2-x-6} = \frac{1}{x+2}$$

$$(g) \frac{x^2+3}{x+3} = 2x-1$$

$$(h) \frac{4}{3x} = \frac{-2}{x-2}$$

$$(i) 4x + p = 6x - t$$

$$(j) 2 < 2 - 3x \leq 3$$

$$(k) \frac{2}{2x^2-x-3} + \frac{1}{x^2-1} - \frac{4}{2x^2-3x} = 0$$

$$(l) \frac{3(x-1)}{5x} + \frac{x+2}{3x} = 3$$

(2) Los die volgende vergelykings gelyktydig op:

$$(a) 3m - 1 = n \quad \text{en} \quad n + 2m = 4$$

$$(b) 3x - 2y = 4 \quad \text{en} \quad 9x = 12y$$