

2.4A Ratkaise yhtälö.

a)  $\frac{x}{3} + \frac{1}{2} = \frac{3x}{4} - \frac{1}{3}$

b)  $\frac{x^2 - x}{2} - \frac{3x^2 - 1}{6} = -x$

$\Leftrightarrow \frac{3x^2 - 3x}{6} - \frac{3x^2 - 1}{6} = \frac{-6x}{6} \quad || \cdot 6$

$3x^2 - 3x - (3x^2 - 1) = -6x$

$3x^2 - 3x - 3x^2 + 1 = -6x \quad || + 6x$

$3x = -1$

2.5A Ratkaise.



a)  $\frac{x}{15} - \frac{x+2}{5} = \frac{x}{3}$

b)  $3x + \frac{2x-3}{-2} > 4$

2.6A Ratkaise.

a)  $x^2 - 7x + 6 = 0$

b)  $x^2 - 5x + 4 \leq 0$