

$-3x - 1 = 7x \implies$ $-3x - 7x = +1 \implies$ $-10x = 1 \implies$ $x = \frac{1}{-10} = -\frac{1}{10}$	$6x + 1 = 8x + 16$ $6x - 8x = +16 - 1$ $-2x = 15$ $x = \frac{15}{-2} = -\underline{\underline{7\frac{1}{2}}}$	$120x - 25x + 5 = 21x + 105$ $120x - 25x - 21x = 105 - 5$ $74x = 100$ $x = \frac{100}{74} = \frac{50}{37} = 1\frac{13}{37}$
$3x - 7 = 5x - 2 - 2x$ $3x - 5x + 2x = -2 + 7$ $0x = 5$ $0 = 5 \text{ kan niet}$ <p>Geen enkele x voldoet aan de vergelijking</p>	$100 = 3x - 50$ $-3x = -50 - 100$ $-3x = -150$ $x = \frac{-150}{-3} = \underline{\underline{50}}$	$25x - 4 = 50x + 17$ $25x - 50x = +17 + 4$ $-25x = 21$ $x = \frac{21}{-25} = -\underline{\underline{\frac{21}{25}}}$
$12x + 7 = 5x - 2 - 2x$ $12x - 5x + 2x = -2 - 7$ $9x = -9$ $x = \frac{-9}{9} = \underline{\underline{-1}}$	$20x = -2x + 3$ $20x + 2x = 3$ $22x = 3$ $x = \frac{3}{22}$	$3 = +x - 12$ $-x = -12 - 3$ $-x = -15$ $x = \frac{-15}{-1} = \underline{\underline{15}}$
$-3x = 4 + 3x$ $-3x - 3x = 4$ $-6x = 4$ $x = \frac{4}{-6} = -\underline{\underline{\frac{2}{3}}}$	$-x = 7$ $x = \underline{\underline{-7}}$	$-x - 4 = 1 - x - 5$ $-x + x = 1 - 5 + 4$ $0 = 0$ <p>Elke x voldoet aan de vergelijking</p>
$-12 = 4x$ $-4x = +12$ $x = \frac{+12}{-4} = \underline{\underline{-3}}$	$-x + 12 = -7x + 3 - 9x$ $-x + 7x + 9x = +3 - 12$ $15x = -9$ $x = \frac{-9}{15} = -\frac{9}{15}$ $= -\underline{\underline{\frac{3}{5}}}$	$-15x - 4 + 10x = 24x - 4$ $-15x + 10x - 24x = -4 + 4$ $-29x = 0$ $x = \underline{\underline{0}}$