

s. 90

Yhtälö

$$\begin{array}{|c|c|} \hline x & 3 \\ \hline \end{array} = \begin{array}{|c|c|} \hline x & 6 \\ \hline \end{array}$$

$$\begin{aligned} 2x + 3 &= x + 6 & || -x \\ (2x + 3 - x) &= x + 6 - x & \\ x + 3 &= 6 & || -3 \\ (x + 3 - 3) &= 6 - 3 & \\ x &= 3 \end{aligned}$$

yhtälön ratkaisu

esim.

$$\begin{aligned} 5x - 4 &= 2x + 5 & || -2x \\ 5x - 4 - 2x &= 2x + 5 - 2x & \\ 3x - 4 &= 5 & || +4 \\ 3x - 4 + 4 &= 5 + 4 & \\ \frac{3x}{3} &= \frac{9}{3} & || :3 \\ x &= 3 \end{aligned}$$

s. 91

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a)

$$\begin{aligned} 4x + 3 &= 7 & || -3 \\ 4x + 3 - 3 &= 7 - 3 & \\ \frac{4x}{4} &= \frac{4}{4} & || :4 \\ x &= 1 \end{aligned}$$

$$\begin{aligned}
 b) \quad 2x - 6 &= x + 1 & || -x \\
 2x - 6 - x &= x + 1 - x \\
 x - 6 &= 1 & || +6 \\
 x - 6 + 6 &= 1 + 6 \\
 x &= 7
 \end{aligned}$$

$$\begin{aligned}
 c) \quad 5x &= 3x + 8 & || -3x \\
 5x - 3x &= 3x + 8 - 3x \\
 2x &= 8 & || :2 \\
 \frac{2x}{2} &= \frac{8}{2} \\
 x &= 4
 \end{aligned}$$

$$\begin{aligned}
 d) \quad 3x - 1 &= 3 - x & || +x \\
 3x - 1 + x &= 3 - x + x \\
 4x - 1 &= 3 & || +1 \\
 4x - 1 + 1 &= 3 + 1 \\
 4x &= 4 & || :4 \\
 \frac{4x}{4} &= \frac{4}{4} \\
 x &= 1
 \end{aligned}$$

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