

s.93

Sulkeet yhtälössä

(490)

a) $5(2x - 3) = 10$

$$10x - 15 = 10 \quad \parallel +15$$

$$10x - 15 + 15 = 10 + 15$$

$$\frac{10x}{10} = \frac{25}{10} \quad \parallel :10$$

$$x = 2,5$$

$$(\text{tai } x = \frac{25}{10} = 2\frac{5^{15}}{10} = 2\frac{1}{2})$$

b) $3(4y + 5) = 51$

$$12y + 15 = 51 \quad \parallel -15$$

$$12y + 15 - 15 = 51 - 15$$

$$\frac{12y}{12} = \frac{36}{12} \quad \parallel :12$$

$$y = 3$$

c) $3(3x + 2) = 6x + 12$

$$9x + 6 = 6x + 12 \quad \parallel -6x$$

$$9x + 6 - 6x = 6x + 12 - 6x$$

$$3x + 6 = 12 \quad \parallel -6$$

$$3x + 6 - 6 = 12 - 6$$

$$\frac{3x}{3} = \frac{6}{3} \quad \parallel :3$$

$$x = 2$$

$$\begin{aligned}
 d) \quad 10x + 2 &= 4(2x + 3) \\
 10x + 2 &= 8x + 12 \quad \parallel -8x \\
 10x + 2 - 8x &= 8x + 12 - 8x \\
 2x + 2 &= 12 \quad \parallel -2 \\
 2x + 2 - 2 &= 12 - 2 \\
 \frac{2x}{2} &= \frac{10}{2} \quad \parallel :2 \\
 x &= 5
 \end{aligned}$$

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