

S.150

704

$$a) \quad 6x + 3 = 4x + 11 \quad \parallel -4x$$

$$6x + 3 - 4x = 4x + 11 - 4x$$

$$2x + 3 = 11 \quad \parallel -3$$

$$2x + 3 - 3 = 11 - 3$$

$$\frac{2x}{2} = \frac{8}{2} \quad \parallel :2$$

$$\underline{x = 4}$$

$$b) \quad 7x - 3 = 5x + 11 \quad \parallel -5x$$

$$7x - 3 - 5x = 5x + 11 - 5x$$

$$2x - 3 = 11 \quad \parallel +3$$

$$2x - 3 + 3 = 11 + 3$$

$$\frac{2x}{2} = \frac{14}{2} \quad \parallel :2$$

$$x = 7$$

$$c) \quad 8x + 3 = x + 24 \quad \parallel -x$$

$$8x + 3 - x = x + 24 - x$$

$$7x + 3 = 24 \quad \parallel -3$$

$$7x + 3 - 3 = 24 - 3$$

$$\frac{7x}{7} = \frac{21}{7} \quad \parallel :7$$

$$\underline{x = 3}$$

$$d) \quad 8x - 7 = 6x + 3 \quad \parallel -6x$$

$$8x - 7 - 6x = 6x + 3 - 6x$$

$$2x - 7 = 3 \quad \parallel +7$$

$$2x - 7 + 7 = 3 + 7$$

$$\frac{2x}{2} = \frac{10}{2} \quad \parallel :2$$

$$x = 5$$

705

$$a) \quad 7x + 2 = 2x + 27 \quad \parallel -2x$$

$$7x + 2 - 2x = 2x + 27 - 2x$$

$$5x + 2 = 27 \quad \parallel -2$$

$$5x + 2 - 2 = 27 - 2$$

$$\frac{5x}{5} = \frac{25}{5} \quad \parallel :5$$

$$x = 5$$

$$b) \quad 5x - 11 = 3x + 1 \quad \parallel -3x$$

$$5x - 11 - 3x = 3x + 1 - 3x$$

$$2x - 11 = 1 \quad \parallel +11$$

$$2x - 11 + 11 = 1 + 11$$

$$\frac{2x}{2} = \frac{12}{2} \quad \parallel :2$$

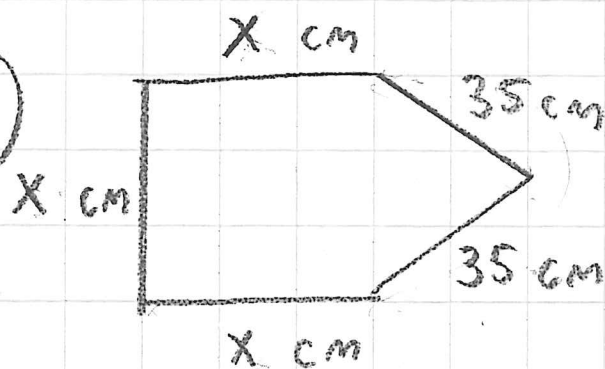
$$x = 6$$

$$\begin{aligned}
 c) \quad 4x + 6 &= 2x && \parallel -2x \\
 4x + 6 - 2x &= 2x - 2x \\
 2x + 6 &= 0 && \parallel -6 \\
 2x + 6 - 6 &= 0 - 6 \\
 \frac{2x}{2} &= \frac{-6}{2} && \parallel :2 \\
 x &= -3
 \end{aligned}$$

$$\begin{aligned}
 d) \quad 4x - 3 &= 2x - 3 && \parallel -2x \\
 4x - 3 - 2x &= 2x - 3 - 2x \\
 2x - 3 &= -3 && \parallel +3 \\
 2x - 3 + 3 &= -3 + 3 \\
 \frac{2x}{2} &= \frac{0}{2} && \parallel :2 \\
 x &= 0
 \end{aligned}$$

S.153

722



Yhteensä  
220  
cm

$$\begin{aligned}
 x + x + x + 35 + 35 &= 220 \\
 3x + 70 &= 220 && \parallel -70 \\
 3x + 70 - 70 &= 220 - 70 \\
 \frac{3x}{3} &= \frac{150}{3} && \parallel :3
 \end{aligned}$$

$$x = 50$$

Vastaus: x on 50 cm

723

Konsertti lippu:  $x$  €

(5 lippua) (maksu)

$$5x + 5 = 180 \quad || -5$$

$$5x + 5 - 5 = 180 - 5$$

$$\frac{5x}{5} = \frac{175}{5} \quad || :5$$

$$x = 35$$

$$\begin{array}{r} 35 \\ 5 \overline{) 175} \\ \underline{-15} \phantom{1} \\ 25 \\ \underline{-25} \\ 0 \end{array}$$

Vastaus: 35 €

724

$$4x + 5 = 33 \quad || -5$$

$$4x + 5 - 5 = 33 - 5$$

$$\frac{4x}{4} = \frac{28}{4} \quad || :4$$

$$x = 7$$

Vastaus: 7 pistettä