

Pg 355

Nov. 18

$$44) \quad y = 3y - 12$$

$$\frac{-2y}{-2} = \frac{-12}{-2}$$

$$y = 6$$

∴ Marlene scored
6 goals.

Solving Equations with Brackets

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$$2) 2(x-3) = 2$$



$$2x - 6 = 2$$

$+6$ $+6$

$$\frac{2x}{2} = \frac{8}{2}$$

$$x = 4$$

$$11) -24 = 4(x+3) \quad \begin{matrix} \text{LS} \\ -14 \end{matrix}$$

$$\begin{matrix} \nearrow 10 & \nwarrow 12 \\ -24 = 4x + 12 \end{matrix}$$

$$\begin{array}{r} \cancel{36} - \cancel{4x} = -9 \\ \hline 4 \quad 4 \end{array}$$

$$x = -9$$

$$\begin{array}{l} 4(x+3) \\ 4(4+3) \\ 4(7) \\ 28 \\ -24 \end{array}$$

$$\textcircled{11} \quad 5(2x-3) = 2(x-2) + 5$$

$$10x - 15 = 2x - 4 + 5$$

$$\begin{array}{r} -2x \\ 10x - 15 = 2x + 1 \end{array}$$

$$\begin{array}{r} +15 \\ 8x - 15 = 1 + 15 \end{array}$$

$$\frac{8x}{8} = \frac{16}{8}$$

$$x = 2$$

24 $4(m-2) - (m+3) = m-1$

$$4m - 8 = m - 3 = m - 1$$

$$3m - 1 = m - 1 \quad \text{4/ (An. 2)}$$

$$\sqrt{3m} = \sqrt{m+10}$$

$$\frac{Z_m}{2} = \frac{10}{2}$$

$$m=5$$

L.S	R.S
1.2)	

$$L \quad 4(m-2) - (m+3)$$

$$4(5-2) - (5+3)$$

$$4 \times 3 - 8$$

$$12 - 8$$

$$= 4$$

$$R \quad m-1$$

$$5-1$$

$$4$$



$$27) 3(2x+1) - 1(x-2) = 2(x+4)$$

$$6x+3-x+2=2x+8$$

$$\begin{array}{r} -2x \\ 5x+5=2x+8 \end{array}$$

$$\begin{array}{r} 5 \\ 3x+5=8 \end{array}$$

$$\begin{array}{r} 3x=3 \\ 3 \end{array}$$

$$x=1$$

$$\textcircled{30} \quad 7(x-1) - 2(x-6) = 2(x-5) + 6$$

$$7x - 7 - 2x + 12 = 2x - 10 + 6$$

$$-2x \quad 5x + 5 = 2x - 4 - 2x$$

$$-5 \quad 3x + 5 = -4 - 5$$

$$\frac{3x}{3} = \frac{-9}{3}$$

$$x = -3$$

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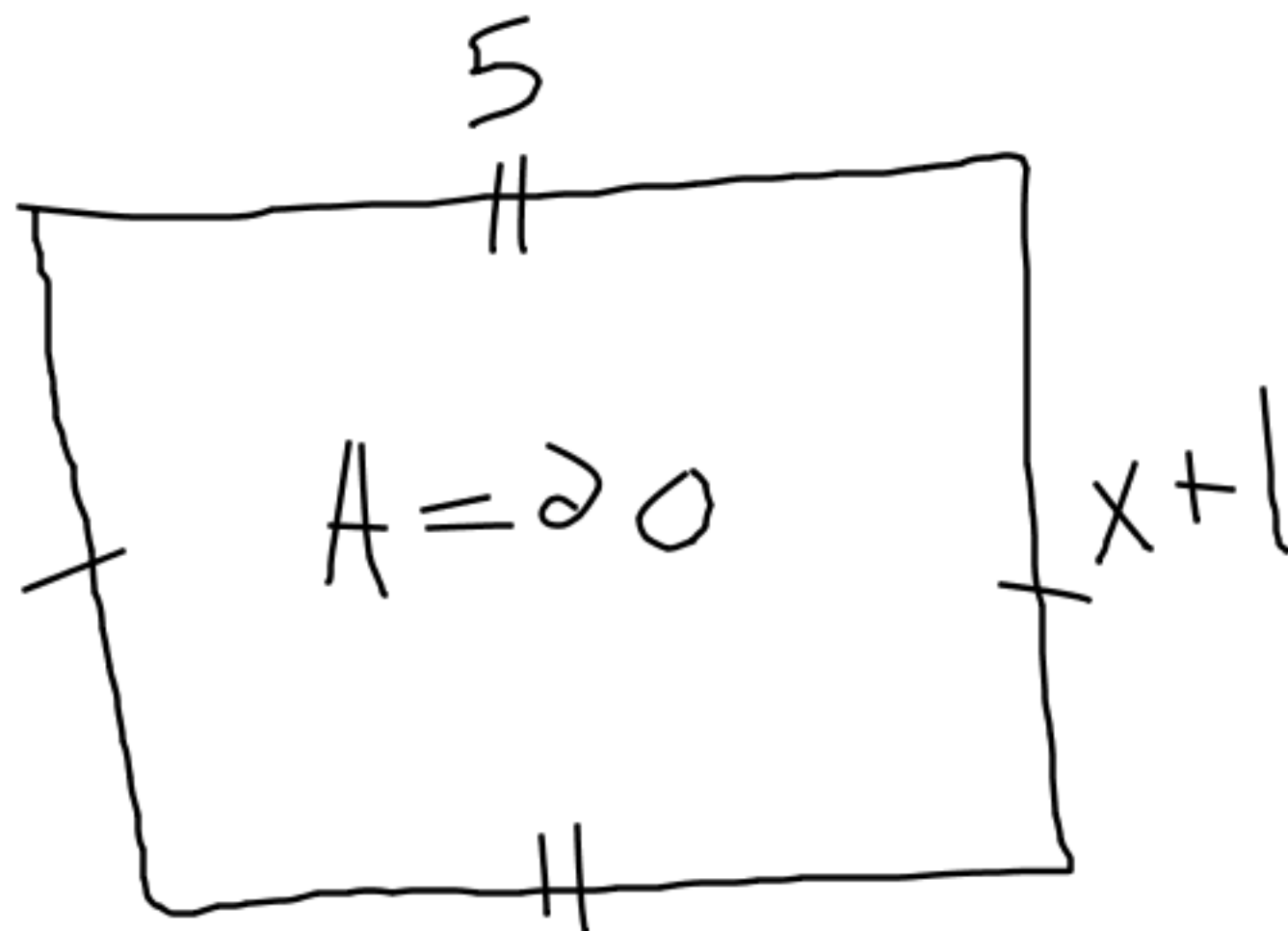
$$5(x+1) = 20$$

$$-5 \quad 5x + 5 = 20 \quad -5$$

$$5x = 15$$

$$x = 3$$

$$\begin{aligned} \text{b) } x+1 \\ = 3+1 = 4 \end{aligned}$$



$\therefore$ The width is 4.

Hwp. 355 #13, 46

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