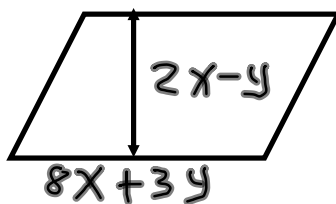


Ex #1

$$(x, y) = (\underline{12}, \underline{-7})$$



$$\begin{aligned} h &= 2(12) - (-7) \\ &= 24 + 7 \\ h &= 31 \end{aligned}$$

$$\begin{aligned} b &= 8(12) + 3(-7) \\ &= 96 + (-21) \\ b &= 75 \end{aligned}$$

$$A = 75 \cdot 31$$

$$A = 2325 \text{ u}^2$$

Ex # 2

$$\begin{array}{l} 3x + 5y = 47 \quad \text{③} \quad x = 2y + 1 \\ \vdots \quad \downarrow \quad \vdots \\ 3(2y + 1) + 5y = 47 \end{array}$$

$$6y + 3 + 5y = 47$$

$$11y + 3 = 47$$

$$\begin{array}{r} 11y + 3 = 47 \\ -3 \quad -3 \\ \hline \end{array}$$

$$\frac{11y}{11} = \frac{44}{11}$$

$$y = 4$$

$$x = 2(4) + 1$$

$$x = 9$$

Ex #3

$$4(\underline{3x-2}) - 7(\underline{3x-2}) + 6(\underline{3x-2})$$

$$3(\underline{3x-2})$$
$$\textcircled{9x-6}$$

$$6) \quad 4(x+1) = 5(3x-8)$$

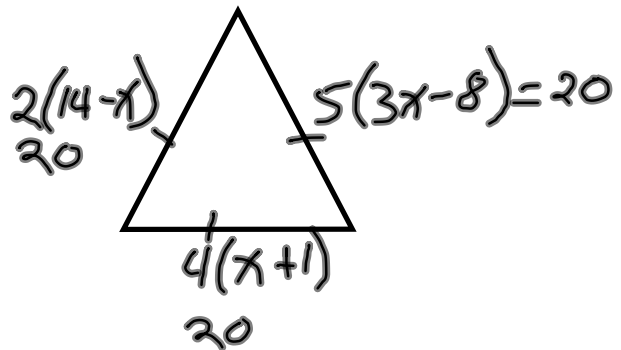
$$\begin{array}{r} 4x+4 = 15x-40 \\ -4x \quad -4x \\ \hline \end{array}$$

$$\begin{array}{r} +4 = 11x-40 \\ +40 = -40 \\ \hline \end{array}$$

$$\frac{44}{11} = \frac{11x}{11}$$

$$4 = x$$

$$x=4$$



SIP = 20 units
PER = 60 units