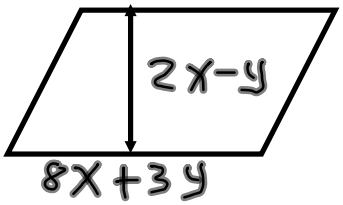
Ex #1

$(x, y) = (12, -7)$



$h = 2(12) - -7$

$= 24 + 7$

$h = 31$

$b = 8(12) + 3(-7)$

$= 96 + -21$

$b = 75$

$A = 75 \cdot 31$

$A = 2325\ u^2$

Ex #2

$3x + 5y = 47$ $\quad$ $x = 2y + 1$

$3(2y+1) + 5y = 47$

$6y + 3 + 5y = 47$

$11y + 3 = 47$

$-3 \quad -3$

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

$y = 4$

$x = 2(4) + 1$

$x = 9$

Ex #3

$$4(3x-2) - 7(3x-2) + 6(3x-2)$$

$$3(3x-2)$$

$$9x-6$$

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

$4x+4 = 15x-40$

$-4x \quad -4x$

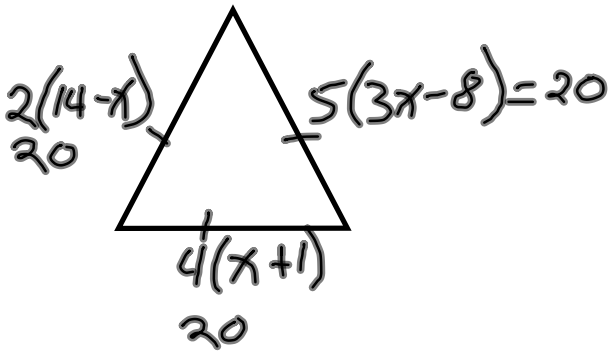
$+4 = 11x-40$

$+40 \quad = \quad +40$

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

$4 = x$

$x = 4$



SID = 20 units

PER = 60 units