5) $\begin{cases} x+y=22 & \cdots ① \\ x-y=6 & \text{add} \end{cases}$

$2x = 28$

$\boxed{x = 14}$

Sub x in ①

$x+y=22$

$y = 22-14$

$\boxed{y=8}$. Thus, the couple (14,8) is the solution set

3) let l be length of rectangle
and w be width of rectangle

Statement-1: $2l+2w=44$

$\boxed{l+w=22}$

Statement-2: $\boxed{l \times w = 112}$

System: $\begin{cases} l+w=22 \\ l \times w = 112 \end{cases}$

The formed system is equivalent to the given System for $l=x$ and $w=y$

Thus, the length $l=14m$
and the width $w=8m$.