Problem 1. Solve for the missing variable,

   i) $P = 2(L + (w + 4))$ where $P = 29$ and $L = 12$

   ii) $A = (L + 2)(w + 5)$ where $A = 40$ and $w = 3$

   iii) $C = a - 2\dfrac{A}{b}$ where $a = -2$, $A = 3$ and $b = 7$

   iv) $a^2 = c^2 - b^2$ where $a = 3$ and $c = 5$

   v) $a = \sqrt{b^2 + b^2}$ where $c = -15$ and $b = -20$

   vi) $F = \dfrac{11}{3}C - 31$ where $F = 98$

Problem 2. Solve,

i) $\begin{cases} y - 5x = & -3 \\ -5y - x = & -11 \end{cases}$

v) $\begin{cases} 2x - 3y = & 7 \\ -3x + y = & -7 \end{cases}$

ii) $\begin{cases} 2x - 6y = & -24 \\ x - 5y = & -22 \end{cases}$

iii) $\begin{cases} 6x + 4y = & -14 \\ x - 2y = & -13 \end{cases}$

vi) $\begin{cases} 3x + 2y = & 1 \\ x - 5y = & 6 \end{cases}$

iv) $\begin{cases} -5x + y = & -17 \\ -7x + 8y = & 5 \end{cases}$

vii) $\begin{cases} -x + y = & 5 \\ 2x + y = & -4 \end{cases}$

In addition

In addition to the above the student is responsible for completing All problems in section 3.2 and 3.3.