

01.

a)

$$\left. \begin{array}{r} 12^\circ 36' \\ + 14^\circ 40' \\ \hline 26^\circ 76' \end{array} \right\} \Rightarrow \begin{array}{r} 26^\circ 76' \\ + 1^\circ - 60' \\ \hline 27^\circ 16' \end{array}$$

b)

$$\left. \begin{array}{r} 6^\circ 25' 36'' \\ + 4^\circ 40' 30'' \\ \hline 10^\circ 65' 66'' \end{array} \right\} \Rightarrow \begin{array}{r} 10^\circ 65' 66'' \\ + 1' - 60'' \\ \hline 10^\circ 66' 6'' \end{array} \Rightarrow \begin{array}{r} 10^\circ 66' 6'' \\ + 1^\circ - 60' \\ \hline 11^\circ 6' 6'' \end{array}$$

c)

$$\left. \begin{array}{r} \overbrace{64^\circ 24' 39''}^{-1^\circ + 60'} \\ - 12^\circ 40' 30'' \\ \hline \end{array} \right\} \Rightarrow \begin{array}{r} 63^\circ 84' 39'' \\ - 12^\circ 40' 30'' \\ \hline 51^\circ 44' 9'' \end{array}$$

d)

$$\left. \begin{array}{r} \overbrace{72^\circ}^{-1^\circ + 60'} \\ - 32^\circ 16' 20'' \\ \hline \end{array} \right\} \Rightarrow \begin{array}{r} 71^\circ \overbrace{60'}^{-1' + 60''} \\ - 32^\circ 16' 20'' \\ \hline \end{array} \Rightarrow \begin{array}{r} 71^\circ 59' 60'' \\ - 32^\circ 16' 20'' \\ \hline 39^\circ 43' 40'' \end{array}$$

02.

a) $12,5^\circ = 12^\circ + 0,5^\circ = 12^\circ + 0,5 \times 60' = 12^\circ 30'$

b) $34,8^\circ = 34^\circ + 0,8^\circ = 34^\circ + 0,8 \times 60' = 34^\circ 48'$

03.

a) $25,09^\circ = 25^\circ + 0,09^\circ = 25^\circ + 0,09 \times 60' = 25^\circ + 5,4' = 25^\circ + 5' + 0,4 \times 60'' = 25^\circ 5' 24''$

b) $47,51^\circ = 47^\circ + 0,51 \times 60' = 47^\circ + 30,6' = 47^\circ + 30' + 0,6 \times 60'' = 47^\circ 30' 36''$