

Exercises 1.8 page 15 #4, 5, 10

④ Complement of  $72^\circ \rightarrow 90 - 72 = 18^\circ$

$35^\circ \rightarrow 90 - 35 = 55^\circ$

$48^\circ 24' \rightarrow 89^\circ 60' \quad 90.00$

$\quad \quad \quad - 48^\circ 24' \quad - 48.40$

$\quad \quad \quad \hline 41^\circ 36' \quad \text{or} \quad 41.60^\circ$

$65^\circ 48' \rightarrow 89^\circ 60' \quad 90.00$

$\quad \quad \quad - 65^\circ 48' \quad - 65.80$

$\quad \quad \quad \hline 24^\circ 12' \quad \text{or} \quad 24.20^\circ$

$84^\circ 56' \rightarrow 89^\circ 60' \quad 90.00$

$\quad \quad \quad - 84^\circ 56' \quad - 84.93$

$\quad \quad \quad \hline 5^\circ 4' \quad \text{or} \quad \approx 5.07^\circ$

⑤ Supplement of  $80^\circ \rightarrow 180 - 80 = 100^\circ$

$120^\circ \rightarrow 180 - 120 = 60^\circ$

$76^\circ 37' \rightarrow 180.00 \quad 179^\circ 60'$

$\quad \quad \quad - 76.61 \quad 76^\circ 37'$

$\quad \quad \quad \approx 103.39^\circ \quad \text{or} \quad 103^\circ 23'$

$98^\circ 57' \rightarrow 180.00 \quad 179^\circ 60'$

$\quad \quad \quad - 98.95 \quad - 98^\circ 57'$

$\quad \quad \quad \hline 81.05^\circ \quad \text{or} \quad 81^\circ 3'$

$146^\circ 6' \rightarrow 180.00 \quad 179^\circ 60'$

$\quad \quad \quad - 146.10 \quad 146^\circ 6'$

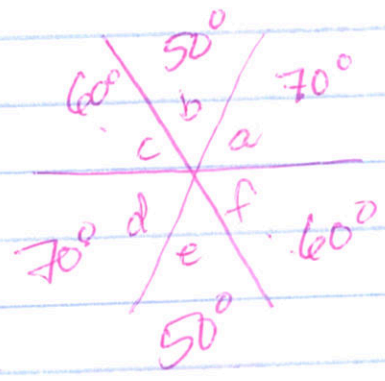
$\quad \quad \quad \hline 33.90^\circ \quad \text{or} \quad 33^\circ 54'$

$121^\circ 45' \rightarrow 180.00 \quad 179^\circ 60'$

$\quad \quad \quad - 121.75 \quad - 121^\circ 45'$

$\quad \quad \quad \hline 58.25^\circ \quad \text{or} \quad 58^\circ 15'$

(10)



$$\begin{matrix} 70^\circ & 60^\circ \\ \searrow & \swarrow \\ 180^\circ - 130^\circ = 50^\circ \end{matrix}$$