Zadatak 3. Dva kuta, α i β, $0° < \alpha$, $\beta < 180°$ *suplementarna* su ako je $\alpha + \beta = 180°$. Odredi suplement kuta α ako je:

1) $\alpha = 33°$;
2) $\alpha = 48°25'$;
3) $\alpha = 121°44'33''$;
4) $\alpha = 111°11'11''$;
5) $\alpha = 79°59'59''$;
6) $\alpha = 100°01'01''$.

Rješenje. **1)** $\alpha + \beta = 180°$, $\alpha = 33° \implies \beta = 180° - 30° = 147°$;

2) $\alpha + \beta = 180°$, $\alpha = 48°25' \implies \beta = 180° - 48°25' = 179°60' - 48°25' = 131°35'$;

3) $\alpha + \beta = 180°$, $\alpha = 121°44'33'' \implies \beta = 180° - 121°44'33'' = 179°59'60'' - 121°44'33'' = 58°15'27''$;

4) $\alpha + \beta = 180°$, $\alpha = 111°11'11'' \implies \beta = 180° - 111°11'11'' = 179°59'60'' - 111°11'11'' = 68°48'49''$;

5) $\alpha + \beta = 180°$, $\alpha = 79°59'59'' \implies \beta = 180° - 79°59'59'' = 179°59'60'' - 79°59'59'' = 100°0'1''$;

6) $\alpha + \beta = 180°$, $\alpha = 100°01'01'' \implies \beta = 180° - 100°01'01'' = 179°59'60'' - 100°01'01'' = 79°58'59''$;