

**Zadatak 10.** Odredi sve realne brojeve  $t$  ako je poznato:

- |                       |                       |
|-----------------------|-----------------------|
| 1) $\cos t = 0.12$ ;  | 2) $\cos t = 0.37$ ;  |
| 3) $\cos t = 0.54$ ;  | 4) $\cos t = 0.71$ ;  |
| 5) $\cos t = -0.37$ ; | 6) $\cos t = -0.75$ . |

**Rješenje.**

- 1)  $t_1 = \arccos 0.12 = 83.10789742^\circ = 83^\circ 6' 28''$ ,  $t_2 = 360^\circ - t_1 = 277^\circ 53' 32''$ ;
- 2)  $t_1 = \arccos 0.37 = 68.28438272^\circ = 68^\circ 17' 4''$ ,  $t_2 = 360^\circ - t_1 = 291^\circ 42' 56''$ ;
- 3)  $t_1 = \arccos 0.54 = 57.31636115^\circ = 57^\circ 18' 59''$ ,  $t_2 = 360^\circ - t_1 = 302^\circ 41' 1''$ ;
- 4)  $t_1 = \arccos 0.71 = 44.76508467^\circ = 44^\circ 45' 54''$ ,  $t_2 = 360^\circ - t_1 = 315^\circ 14' 6''$ ;
- 5)  $t_1 = \arccos -0.37 = 111.7156173^\circ = 111^\circ 42' 56''$ ,  $t_2 = 360^\circ - t_1 = 248^\circ 17' 4''$ ;
- 6)  $t_1 = \arccos -0.75 = 138.5903779^\circ = 138^\circ 35' 25''$ ,  $t_2 = 360^\circ - t_1 = 221^\circ 24' 35''$ ;