

Solutions for GeoWorkSheet No. 97

| Solutions sheet No. 97 | | Division by Trigonometric Functions | | | |
|--|--|---|---|--|--|
| 1) $\frac{1}{\cos 28^\circ}$ = 1.133 | 11) $\frac{17}{\sin 11^\circ}$ = 89.094 | 21) $\frac{35}{\tan 85^\circ}$ = 3.062 | 31) $\frac{31}{13\cos 36^\circ}$ = 2.948 | | |
| 2) $\frac{1}{\tan 59^\circ}$ = 0.601 | 12) $\frac{15}{\sin 69^\circ}$ = 46.073 | 22) $\frac{11}{\sin 25^\circ}$ = 26.028 | 32) $\frac{11}{13\sin 41^\circ}$ = 1.290 | | |
| 3) $\frac{1}{\tan 51^\circ}$ = 0.810 | 13) $\frac{15}{\cos 61^\circ}$ = 30.940 | 23) $\frac{28}{\tan 24^\circ}$ = 62.889 | 33) $\frac{32}{11\sin 52^\circ}$ = 3.692 | | |
| 4) $\frac{1}{\sin 37^\circ}$ = 1.662 | 14) $\frac{6}{\sin 69^\circ}$ = 6.427 | 24) $\frac{23}{\tan 11^\circ}$ = 118.325 | 34) $\frac{14}{13\sin 37^\circ}$ = 1.789 | | |
| 5) $\frac{1}{\sin 73^\circ}$ 1.046 | 15) $\frac{14}{\sin 70^\circ}$ 14.898 | 25) $\frac{10}{\tan 61^\circ}$ 5.543 | 35) $\frac{9}{12\tan 36^\circ}$ 1.032 | | |
| 6) $\frac{1}{\sin 80^\circ}$ = 1.015 | 16) $\frac{5}{\tan 45^\circ}$ = 5.000 | 26) $\frac{5}{\sin 73^\circ}$ = 5.228 | 36) $\frac{16}{4\sin 47^\circ}$ = 5.469 | | |
| 7) $\frac{1}{\tan 71^\circ}$ = 0.344 | 17) $\frac{13}{\sin 22^\circ}$ = 34.703 | 27) $\frac{16}{\sin 49^\circ}$ = 21.200 | 37) $\frac{23}{8\tan 25^\circ}$ = 6.165 | | |
| 8) $\frac{1}{\cos 61^\circ}$ = 2.063 | 18) $\frac{2}{\tan 53^\circ}$ = 1.507 | 28) $\frac{29}{\tan 36^\circ}$ = 39.915 | 38) $\frac{25}{13\tan 36^\circ}$ = 2.647 | | |
| 9) $\frac{1}{\cos 37^\circ}$ = 1.252 | 19) $\frac{2}{\cos 66^\circ}$ = 4.917 | 29) $\frac{9}{\tan 35^\circ}$ = 12.853 | 39) $\frac{18}{8\sin 74^\circ}$ = 2.341 | | |
| 10) $\frac{1}{\tan 21^\circ}$ = 2.605 | 20) $\frac{5}{\sin 41^\circ}$ = 7.621 | 30) $\frac{19}{\cos 63^\circ}$ = 41.851 | 40) $\frac{11}{4\tan 69^\circ}$ = 1.056 | | |