

Find the exact value for each of the following: No Calculator or using the chart.

1. $\cos 480^\circ$

2. $\sin 180^\circ$

3. $\sin 540^\circ$

4. $\csc 150^\circ$

5. $\cot 180^\circ$

6. $\sec 240^\circ$

7. $\cot 315^\circ$

8. $\csc 210^\circ$

Rewrite as a function of a positive acute angle.

9. $\cot 153^\circ$

10. $\sin 121^\circ$

11. $\cos 280^\circ$