

Simple rules for calculating angles of complex numbers with your calculator

$$A + jB = \sqrt{A^2 + B^2} \angle \tan^{-1}(B/A) \text{ if } A > 0$$

$$A + jB = \sqrt{A^2 + B^2} \angle 180^\circ + \tan^{-1}(B/A) \text{ if } A < 0$$