
MATH 11022: Trig functions using the calculator

Example 1: Calculate the following to 4 decimal places.

(a) $\cos 72^\circ =$

(b) $\sin 202^\circ =$

(c) $\tan(-113^\circ) =$

(d) $\sec 11^\circ =$

(e) $\csc 65^\circ =$

(f) $\cot 13^\circ =$

Example 2: Use your calculator to find all angles θ , $0^\circ \leq \theta < 360^\circ$ (two decimal places), for which

(a) $\sin \theta = 0.2144$

(b) $\cos \theta = 0.3697$

(c) $\tan \theta = -1.1236$