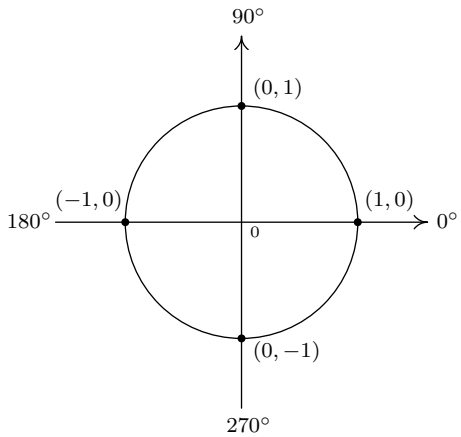
MATH 11022: Quadrantal Angles

MEMORIZE The trig values of the quadrantal angles must be memorized. Use the following diagram as an aid.



$$\sin\theta = y$$

$$\cos\theta = x$$

$$\tan\theta = \frac{y}{x}$$

Example. Find the following:

(a) $\sin 180° =$

(b) $\cos(-90°) =$

(c) $\tan 270° =$

(d) $\cot(-270°) =$

(e) $\sin 450^\circ =$

(f) $\cos(-540^\circ) =$

(g) $5\sin 90^\circ + 3\cos 180^\circ =$

(h) $7\cos(-90^\circ) + 6\sin 180^\circ + 3\tan(-180^\circ) =$

(i) $2\sin(-90^\circ) + 5\cos 270^\circ - 6\cos 0^\circ =$