Math 106   Quiz #1   January 29, 2018

• This is a closed-book quiz. No books, notes, calculators, cell phones, communication devices of any sort, or webpages, or other aids are permitted.

1. [20 points] Compute each of the following trigonometric values.

(a) $\sin \dfrac{\pi}{3} =$

(b) $\cos \dfrac{\pi}{3} =$

(c) $\sin \dfrac{\pi}{6} =$

(d) $\cos \dfrac{\pi}{6} =$

(e) $\sin \dfrac{\pi}{4} =$

(f) $\cos \dfrac{\pi}{4} =$

(g) $\tan \dfrac{\pi}{3} =$

(h) $\tan \dfrac{\pi}{6} =$

(i) $\tan \dfrac{\pi}{4} =$

(j) $\cos \pi =$

2. [10 points] Compute each of the following trigonometric values. Justify your answer using either the unit circle or trig triangles.

(a) $\sin \dfrac{4\pi}{3} =$

(b) $\sin \dfrac{11\pi}{6} =$