Quiz 3: Version A

NO CALCULATORS.

1. Label each of the following on the x-axis of the coordinate system below.

(a) $2\pi$
(b) $\frac{\pi}{2}$
(c) $\frac{\pi}{3}$
(d) $\frac{\pi}{4}$
(e) $\frac{\pi}{6}$
(f) $-\frac{\pi}{2}$
(g) $\frac{3\pi}{2}$
(h) $\frac{5\pi}{3}$
(i) $\frac{3\pi}{4}$
(j) $\frac{7\pi}{6}$

2. Give the exact values for each of the following.

(a) $\sin(0) =$
(b) $\sin(\pi) =$
(c) $\sin(2\pi) =$
(d) $\sin\left(\frac{\pi}{2}\right) =$
(e) $\sin\left(-\frac{\pi}{2}\right) =$
(f) $\sin\left(\frac{3\pi}{2}\right) =$
(g) $\sin\left(\frac{\pi}{6}\right) =$
(h) $\sin\left(\frac{5\pi}{6}\right) =$
(i) $\sin\left(\frac{7\pi}{6}\right) =$

3. Sketch the graph $y = \sin x$. Fill out the whole coordinate grid.

4. Plot and label (with their ordered pairs) the points corresponding to question 2 above.