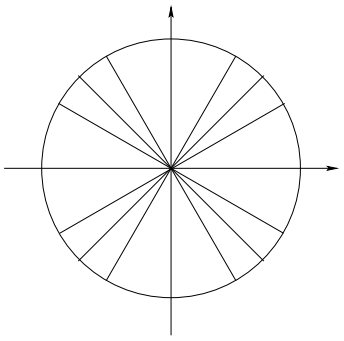
MATH 11022–006 | Trigonometry | Dr. Kracht
TR 11:00 | Spring 2014

Name: _____ Quiz Score: _____/20

## Quiz 2: Version A

*NO CALCULATORS. Show your reasoning. Simplify your answers. Use standard mathematical notation correctly.*

1. Sketch $\theta = 135^\circ$ in standard position.



Evaluate each of the following. *Give exact values, simplified. You need not rationalize denominators.*

(a) $\sin 135^\circ =$ (c) $\tan 135^\circ =$ (e) $\sec 135^\circ =$

(b) $\cos 135^\circ =$ (d) $\cot 135^\circ =$ (f) $\csc 135^\circ =$

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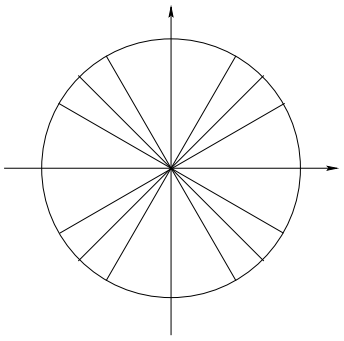
2. Sketch $\theta = -\dfrac{5\pi}{6}$ in standard position.



Evaluate each of the following. *Give exact values, simplified. You need not rationalize denominators.*

(a) $\sin\left(-\dfrac{5\pi}{6}\right) =$ (c) $\tan\left(-\dfrac{5\pi}{6}\right) =$ (e) $\sec\left(-\dfrac{5\pi}{6}\right) =$

(b) $\cos\left(-\dfrac{5\pi}{6}\right) =$ (d) $\cot\left(-\dfrac{5\pi}{6}\right) =$ (f) $\csc\left(-\dfrac{5\pi}{6}\right) =$

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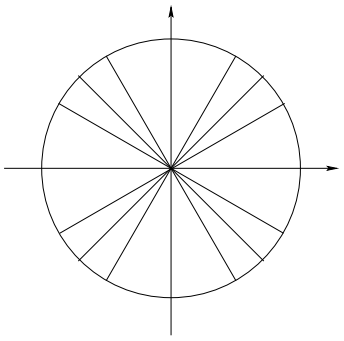
## Quiz 2: Version B

*NO CALCULATORS. Show your reasoning. Simplify your answers. Use standard mathematical notation correctly.*

1. Sketch $\theta = 225^\circ$ in standard position.



Evaluate each of the following. *Give exact values, simplified. You need not rationalize denominators.*

(a) $\sin 225^\circ =$

(b) $\cos 225^\circ =$

(c) $\tan 225^\circ =$

(d) $\cot 225^\circ =$

(e) $\sec 225^\circ =$

(f) $\csc 225^\circ =$

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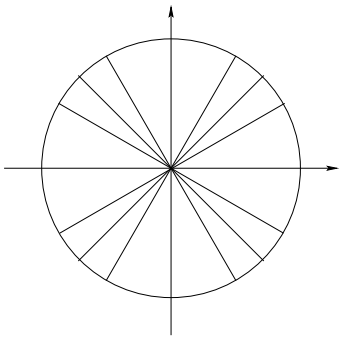
2. Sketch $\theta = -\dfrac{4\pi}{3}$ in standard position.



Evaluate each of the following. *Give exact values, simplified. You need not rationalize denominators.*

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

(b) $\cos\left(-\dfrac{4\pi}{3}\right) =$

(c) $\tan\left(-\dfrac{4\pi}{3}\right) =$

(d) $\cot\left(-\dfrac{4\pi}{3}\right) =$

(e) $\sec\left(-\dfrac{4\pi}{3}\right) =$

(f) $\csc\left(-\dfrac{4\pi}{3}\right) =$