a.
$$\sin\left(\frac{\pi}{3}\right) = + \frac{1}{2}$$

$$\sin\left(\frac{\pi}{3}\right) = \int \frac{1}{2}$$
b. $\cos\left(\frac{2\pi}{3}\right) = -\frac{1}{2}$

c.
$$\tan\left(\frac{5\pi}{6}\right) = \frac{1}{2}$$

d.
$$\sin\left(\frac{7\pi}{4}\right) = \frac{\sqrt{2}}{2}$$





e.
$$\cos\left(-\frac{4\pi}{3}\right) = \frac{1}{2}$$

e.
$$\cos\left(-\frac{4\pi}{3}\right) = -\frac{1}{2}$$
 f. $\csc\left(\frac{\pi}{6}\right) = \frac{1}{5\ln\frac{\pi}{6}} = 2$



g.
$$\cot\left(\frac{3\pi}{2}\right) =$$

h.
$$\tan\left(\frac{11\pi}{4}\right) =$$





i. cos(300°)=

1

csc(210°)=

j.



= - 5

k. $\cot(135^\circ) =$ ___



$$\sin(-330^\circ) = \frac{1}{2}$$



a) $\sin\theta \cdot \csc\theta$

b)
$$\frac{1-\cos^2\theta}{\sin\theta} = \frac{\sin^2\theta}{\sin\theta} = \sin\theta$$

Simplify trig day 1

c)
$$\frac{\csc^2\theta(1-\cos^2\theta)}{\sin^2\theta} = \frac{1}{\sin^2\theta} \left(\frac{\cos^2\theta}{\sin^2\theta}\right) = \frac{1}{\sin^2\theta} \left(\frac{\sin^2\theta}{\sin^2\theta}\right) = \frac{$$

d)
$$\frac{\sin\theta\cos\theta}{1-\cos^2\theta} = \frac{\sin\theta\cos\theta}{\sin\theta}$$

$$\frac{\cos\theta}{\sin\theta}$$

Simplify trig day 1

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e)
$$(1-\sin\theta)(1+\sin\theta)$$

 $|+15 + \cos\theta - 15 + \cos\theta - \sin^2\theta$
 $|-5 + \cos^2\theta|$

f)
$$\cot \theta \cdot \sec \theta \cdot \sin \theta$$
 $\cot \theta \cdot \sec \theta \cdot \sin \theta$
 $\cot \theta \cdot \sec \theta \cdot \sin \theta$
 $\cot \theta \cdot \sec \theta \cdot \sin \theta$

Simplify trig day 1

g)
$$\sin\theta(\csc\theta-\sin\theta)$$

h)
$$\cos^2\theta(\sec^2\theta-1)$$