

Math 1613 - Trigonometry

Quiz #15 - 2011.10.06

Name: _____

1. In many of the double angle identities, we have a \pm sign. For instance,

$$\sin\left(\frac{A}{2}\right) = \pm\sqrt{\frac{1 - \cos(A)}{2}}$$

What determines whether we use the $+$ versus the $-$?

2. Find two angles θ that make the following statement true:

$$\sin(\theta) = \cos\left(2\theta - \frac{\pi}{12}\right)$$