Math 1613 - Trigonometry

Quiz #17 - 2012.03.15

Solutions

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1. Evaluate $\sin^{-1}(-\frac{\sqrt{3}}{2})$.

   If $\theta = \sin^{-1}(-\frac{\sqrt{3}}{2})$, then $\sin(\theta) = -\frac{\sqrt{3}}{2}$, thus $\theta = \sin^{-1}(-\frac{\sqrt{3}}{2}) = -\frac{\pi}{3}$.