Trigonometry

Spring 2015

Quiz 6 1.7 Name: _____

Instructor: Matt Alexander

1. What is the domain and range of arccos(x). (2pts)

Domain:_____

Range:

2. Evaluate the following without a calculator. Give an exact answer in radians. (5pts)

$$\cos^{-1}\left(-\frac{\sqrt{2}}{2}\right) = \underline{\qquad} \qquad \arcsin(\sin(2\pi)) = \underline{\qquad}$$

$$\sin^{-1}\left(\frac{1}{2}\right) =$$

$$\arcsin(\sin(2\pi)) =$$

3. Find the exact value of $cos(tan^{-1}(2))$. (3pts)

Math 11022

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