

# Math 1613 - Trigonometry

Quiz #2 - 2007.09.06

Solutions

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1. Simplify the following expressions:

a)  $\log_3(27)$

$$\log_3(27) = \log_3(3^3) = 3.$$

b)  $\log_4\left(\frac{1}{16}\right)$

$$\log_4\left(\frac{1}{16}\right) = \log_4(4^{-2}) = -2.$$

2. What is the value of  $x$  in the following relation?

$$2\pi \text{ radians} = x^\circ$$

$$x = 360.$$