

MATH 213, Fall 2008
Solutions for the Pop Quiz

This quiz is not going to be graded. I am assigning it to gauge your background. You do not have to sign your name.

3. Compute

$$\int_0^{\pi/4} \cos x \, dx.$$

$$\int_0^{\pi/4} \cos x \, dx = [\sin x]_0^{\pi/4} = \sin \frac{\pi}{4} - \sin 0 = \frac{1}{\sqrt{2}} - 0 = \frac{1}{\sqrt{2}}.$$