

MATH 114 QUIZ 9
22 NOVEMBER 2016

Solve the following two problems. Show all steps in your work. You may use the Pythagorean theorem without proof.

(1) Compute the exact values of $\cos(7\pi/4)$ and $\sin(7\pi/4)$.

(2) Compute the exact value of $3 \cos(2\pi/17) \cos(2\pi/17) + 3 \sin(2\pi/17) \sin(2\pi/17)$.