

MATH 1151 QUIZ-7 (18 minutes)

1. (3 points) Solve $\tan 2\theta + 2 \cos \theta = 0$ on the interval $0 \leq \theta < 2\pi$.

2.(3 points) Find the exact value of $\sin(2 \cos^{-1}(\frac{3}{5}))$.

3.(1 points) A right triangle contains a 25° angle. If one leg is of length 5 inches, what is the length of the hypotenuse?

4.(3 points) Solve the triangle $\alpha = 40^\circ, \beta = 20^\circ, a = 2$.