

## Trigonometry

Name: \_\_\_\_\_

The majority of the credit you receive will be based on the completeness and the clarity of your responses. **Show all of your work and justify your solutions as much as possible.**

This is a 15 minute quiz and has 2 questions, for a total of 10 points

(6 points) 1. Use algebraic techniques to solve the equation  $2 - \sin(t) = 2 \cos^2(t)$  for  $0 \leq t < 2\pi$  (give exact answers).

(5 points) 2. Rewrite  $\sin(3v) - \sin(v)$  as a product of trig functions.