

Name _____ Date _____ raw _____ percent _____

Math 11 Trimester 3 Quiz 1 (30 Points)

Trigonometry - complex numbers

- *You may use your textbook, notes, and calculator. Note, however, that if a problem has an exact solution, credit will given *only* for the exact solution. Use this sheet for your final and incredibly well written version.*

[1] Write the complex number $z = \frac{-1}{2} + i \frac{\sqrt{3}}{2}$ in trigonometric form.

[2] Find $(2\sqrt{2} - 2i\sqrt{2})^7$.

Turn page →

[3] In \mathbb{C} , solve $x^3 - 8 = 0$.