

Attendance Quiz #  $22\frac{1}{2}$  for Dr. Z.'s Calc4 for Lecture 22

NAME: (print!) \_\_\_\_\_ Section: \_\_\_\_\_

E-MAIL ADDRESS: (print!) \_\_\_\_\_

1. Use the theory of differential equations to prove the trig. identity

$$\cos(x + a) = \cos(x) \cos(a) - \sin(x) \sin(a)$$