

CONSIDER THE FOLLOWING COMPLEX NUMBERS:

$$z_1 = 4e^{j\pi/6}$$

$$z_2 = -2 + j2$$

a) WRITE  $z_1$  IN CARTESIAN FORM. SKETCH LOCATION IN COMPLEX PLANE

b) WRITE  $z_2$  IN POLAR FORM. SKETCH LOCATION IN COMPLEX PLANE.

c) DETERMINE  $\frac{z_2}{z_1}$  IN POLAR AND CARTESIAN FORMS.