

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.