Find the product $z_1 z_2$ and the quotient $z_1/z_2$. Express your answer in polar form.

#50. $z_1 = e^{i\pi/4}, \quad z_2 = e^{3\pi i/4}$

#52. $z_1 = 7e^{3\pi i/8}, \quad z_2 = 2e^{i\pi/8}$