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. $z_1 = 7e^{9\pi i/8}$, $\quad z_2 = 2e^{i\pi/8}$