

Exercise 6

Use results in Sec. 5 to show that when z_2 and z_3 are nonzero,

$$(a) \overline{\left(\frac{z_1}{z_2 z_3}\right)} = \frac{\bar{z}_1}{\bar{z}_2 \bar{z}_3}; \quad (b) \left|\frac{z_1}{z_2 z_3}\right| = \frac{|z_1|}{|z_2| |z_3|}.$$