Question 1 [5]

You have the following two numbers:

$$x = 50 + \jmath 90, \quad y = -\jmath 15.$$

Calculate: $\dfrac{xy}{x + y}$

Question 2 [5]

You have the following two numbers:

$$x = 90 - j50 \text{ and } y = 10$$

Calculate: $\dfrac{xy}{x+y}$