

Chapter 9, Problem 8.

Calculate these complex numbers and express your results in rectangular form:

$$(a) \frac{60 \angle 45^\circ}{7.5 - j10} + j2$$

$$(b) \frac{32 \angle -20^\circ}{(6 - j8)(4 + j2)} + \frac{20}{-10 + j24}$$

$$(c) 20 + (16 \angle -50^\circ)(5 + j12)$$