

KING FAHD UNIVERSITY OF PETROLEUM & MINERALS
Department of Electrical Engineering

EE422 Antenna Theory	Quiz (2)	Tuesday 11/5/2010
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Student's Name:	I.D.#:
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A 3 cm long dipole carries a phasor current $I_0 = 10e^{j60}$ A. Assuming that $\lambda = 5$ cm. Determine:

1. The far field distance for this dipole,
2. Which type of dipole is this? (Infinitesimal, short, or finite length)
3. The E and H fields at 10 cm away from the dipole and at $\theta = 60^\circ$.