

Department of Electrical and Computer Engineering
Quiz 2(a) – January - April 2016

Name:

I.D.No.

1. Evaluate $z = (10 + i20)^{\frac{1}{4}}$.

Express the result in (a) polar form, and (b) rectangular form.
Show all the steps clearly.

(4 marks)

Solution:

$\sqrt{\quad}$

To be corrected
by Merlin
(519) 568-3394

\Rightarrow

$\frac{\quad}{\quad}$

k

$= 0 + i$