

## Quiz #1

Monday, September 19 2016

NAME:			

Please write clearly and properly.

Problem	Grade
1	
2	
Total	



## 21:640:403 Complex variables

bers.	(∼ 2 point						
lem 2 (	~ 6 points.	). Consider	the comple	x numbers	z = -1 - i	i and $w =$	2-2i.
		). Consider				i and $w =$	2-2i.
						i and w =	2 – 2 <i>i</i> .
						i and w =	2-2i.
						i and w =	2-2i.
						i and w =	2-2i.
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## 21:640:403 Complex variables

) Comput	te the complex	numbers $\frac{1}{z}$ , z	$w$ and $w^4$ .		
Find the	polar form of	z and $w$ .			





## 21:640:403 Complex variables

) Recove	er the result	ts you foun	d in (2) us	ing the pola	r forms of z	and w.	
) Check	that $w = -$	$2\overline{z}$ . Use th	is to comp	ute zw in a	different wa	ay yet again.	
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