Guidance document 3

Personal Skills 1

Multiplication of complex numbers

Learning outcomes.Deliberate write chart and find the absolute value of complex number in the form a + bi, or (a, b) and the properties of the complex to use in solving the problem.

Intended destination   Find the product of a complex number

Name .... Class. ....No.........

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1. What is the product of the complex following

No	Problem	Answer
1	(3,2)(4 , 7)	
2	$(8, \sqrt{2})(1, \sqrt{3})$	
3	(2+3i)(3-2i)(6-4i)	
4	$(2+i)^3$	
5	i(4+i)(4-i)	
6	(2+i)(3-2i)(2-i)(3+2i)	

2. Find the inverse of multiplication of complex numbers follows.

1. Z= (5-3i) + (2+5i)
2. $Z=\left(\frac{\sqrt{2}}{2}+\frac{\sqrt{2}}{2}i\right)^2$

3. What is the value x, y corresponding to this equation.

1 (x+3i)(3-i) = 9 +yi Solution	3. (5-4i)(y+3i) = 32+xi Solution
2. (x+4i)(5+2i) = 7 +yi Solution	

Summary score

Score 10 points made .... points

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