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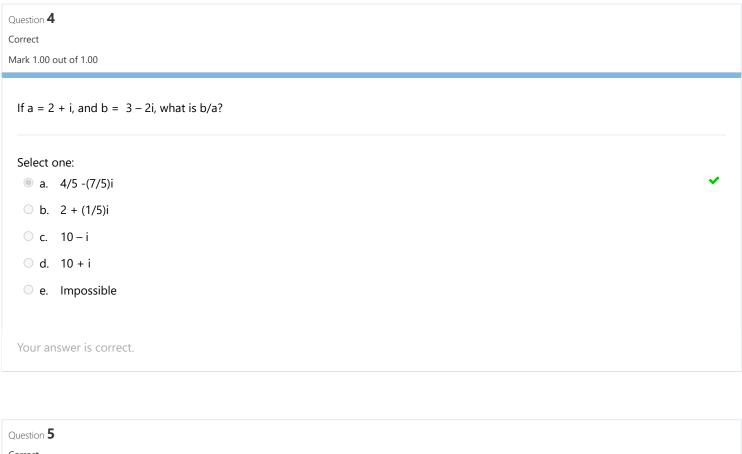
Self-Quiz Unit 3 Attempt review 3

College Algebra (University of the People)

<u>Dashboard</u> / My courses / <u>MATH 1201-01 - AY2022-T3</u> / 10 February - 16 February / <u>Self-Quiz Unit 3</u> Started on Friday, 11 February 2022, 2:53 PM State Finished Completed on Friday, 11 February 2022, 2:54 PM **Time taken** 1 min 34 secs **Marks** 5.00/5.00 **Grade 10.00** out of 10.00 (**100**%) Question 1 Correct Mark 1.00 out of 1.00 What is $(2 + i\sqrt{2})(2 - i\sqrt{2})$? Select one: a. 4 b. 6 oc. 8 d. 10 e. 12 Your answer is correct.

uestion 2				
orrect				
1ark 1.00 out of 1.00				
As x goes to infinity, the	graph of $f(x) = 5x^4 - 173x^3 - 10^{-1}$	6x ² -7x -15 goes to (poir	nts in) what direction?	
Select one:				
a. ∞				✓
○ b∞				
○ c. 0				
O d. 1				
○ e. 5				
Your answer is correct.				

tion 3	
1.00 out of 1.00	
f(x) is a 4th degree polynomial, and has 3 complex numbers as roots, the other root is?	
lect one:	
a. 0	
b. Real	
c. Complex	~
d. 1	
e. None of these	
ur answer is correct.	



Question **5**Correct Mark 1.00 out of 1.00 What are the possible rational roots of f(x) = x⁴ - 173x³ - 16x² - 7x - 15, according to the rational root theorem? "±" means "plus or minus". Select one: a. {1, 3, 5, 15} b. {±1, ±3, ±5, ±15} c. {±1/15, ±3/15, ±1, ±3, ±5, ±15} d. {±1, ±5, ±1/3, ±5/3, ±1/5, ±1/15} e. None of these Your answer is correct.

■ Learning Journal Unit 3

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