Self-Quiz Unit 3 Attempt review 1

College Algebra (University of the People)

Started on	Friday, 11 February 2022, 2:47 PM
State	Finished
Completed on	Friday, 11 February 2022, 2:50 PM
Time taken	3 mins 11 secs
Marks	5.00/5.00
Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

As x goes to minus infinity, the graph of f(x) = 5x4 – 173x3 – 16x2 – 7x – 15 goes to (points in) what direction?

Select one:

- a. ∞ ✔
- b. -∞
- c. 0
- d. 1
- e. 5

Your answer is correct.

Question **2**

Correct

Mark 1.00 out of 1.00

If f(x) is a 4th degree polynomial, and has 3 real numbers as roots, the other root is?

Select one:

- a. 0
- b. Real ✔
- c. Complex
- d. 1
- e. None of these

Your answer is correct.

Question **3**

Correct

Mark 1.00 out of 1.00

If f(x) is a 4th degree polynomial, and has 3 complex numbers as roots, the other root is?

Select one:

- a. 0
- b. Real
- c. Complex ✔
- d. 1
- e. None of these

Your answer is correct.

Question **4**

Correct

Mark 1.00 out of 1.00

If a = 2 + i, and b = 3 – 2i, what is a/b?

Select one:

- a. 13/4 + 13i/7
- b. 13/4 – 13i/7
- c. 4/13 + 7i/13 ✔
- d. 4/13 – 7i/13
- e. None of these

Your answer is correct.

Question **5**

Correct

Mark 1.00 out of 1.00

What is $(2+i\sqrt{2})(2-i\sqrt{2})$?

Select one:

- a. 4
- b. 6 ✔
- c. 8
- d. 10
- e. 12

Your answer is correct.

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