Phileas Dazeley-Gaist Assignment Homework_08 due 02/25/2022 at 11:59pm EST

coa-feldman-es1026i-winter-2022

Problem 1. (1 point)

Let $f(z) = z^2 + c$, where c = -0.25 + 1.5i. What are the first two iterates of the seed $z_0 = 0$?

$$z_1 = \underline{\hspace{1cm}}$$
.

$$z_2 =$$
___.

Answer(s) submitted:

- -0.2500+1.50i
- −2.4375+0.75i

(correct)

Generated by ©WeBWorK, http://webwork.maa.org, Mathematical Association of America

Problem 2. (1 point)

Let $f(z) = z^2 + c$, where c = -1.25 - i. What are the first two iterates of the seed $z_0 = 0$?

$$z_1 = \underline{\hspace{1cm}}$$
.

$$z_2 =$$
____.

Answer(s) submitted:

- -1.2500-1.0i
- -0.6875+1.5i

(correct)