Complex numbers 004

Problem has been graded.

$$\frac{\mathbf{V_1}+4j}{j}-\frac{\mathbf{V_1}+4j}{cj}+\frac{\mathbf{V_1}}{-4j}+\frac{\mathbf{V_1}}{4}=0$$

Find $\mathbf{V_1}$ in cartesian coordinates, i.e., find a and b:

$$\mathbf{V_1}=a+bj$$

Solve without a calculator

Given Variables:

c : 2 .

Calculate the following:

a (.) :

-4 ✓

b (.) :

-4 ✓

Hint: Solve in cartesian coordinates.