Math 5710

Tuesday, 6/23/20

Quiz 02

What is your name? 1.

Brock Francom
Write two sentences that explain why the following proposition is true: 2.

$$V = \mathbb{R} \wedge i^2 = 1 \Rightarrow \{4 - 0.33i, \sqrt[4]{-17.1}\} = \emptyset$$

Since our un verse is all reals, no imaginary numbers exist. The set 24-33, 4-17.13 has 2 elements is the action agree, Write two sentences that explain why the following proposition is true:

$$V = \mathbb{C} \wedge i^2 = ^-1 \implies \{4 - 0.33i, \sqrt[4]{-17.1}\} \neq \emptyset$$

Since our unverse is he show a forger number, maginary numbers exist. The set {4-,37i, 4-17.1} has 2 inaginary numbers, and therefore, - he set {4-.72, 4-17.1) + 0.

Write two sentences that explain why the following proposition is true:

Given that  $V = \{ \text{ everything } \}$ , the following set has exactly 5 elements:

$$\{1+2, \sqrt{9}, 9^{12}, 0, \mathbb{R}, "3", \emptyset\}$$

53,3,3,0,9,3,\$? 13,0,R, 3,8)

The first 3 entries in the SEL are actualty one element. 5-plied, shown above, there are 5 elements

Smile. 5.