"KIMMEL
Come get graded quiz
ANNOUNCOLANATO
· Self grade & Reflection Due Wednesday (more in class)
Quit Homor (ode Discussion: TLDR: 1t's important. Make sure you know it now so no Problems later.
· Structure Questions problems later.
Self Grade & Reflection
Proof Rubric: Validity: logic OK? Readability: Easy to understand? Concise: More complicated than needs to be? Provide a point score for each category > V = X R = y C = z Sample self-grade Activity
Also Where to find solutions - CANVAS, "Files"
· Writing style-proofs do not need to be word for word the same as mine Reflection - see resources on website for worksheet · Timing - ~30 min (at most 1 hour)
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... and now back to your regularly scheduled lesson...

To do computer science, need to write & talk about computer science — use language of math:

Very Precise!

Proofs & 5 paragraph essay

We need to go back and learn how to write words, sentences

1 1
3ets statement

Sets

def: a set is an unordered collection of objects.

(no repeats)

ex: Let 5 be the set of Middlebury computer science profs.

-Pof. Kimmel is in S

- Prof. Watson is not in S.

Roster Notation: A= {0,2,5} means "A is the set containing the elements 0,2,5." for sets "element" = "object"
for sets element of A E: 2EA means 2 is an element of A E: Prof. Watson & S means Prof. Watson is not an element of S. A=B: sets contain exactly the same elements
Sets in Sets: T= {X, y, {g,h}, k} an element of a set can be another set
Q: 15 g ET? Is &g,h J ET? A) Yes. Yes. B) Yes. No. (C) No. Yes. D) No. No. No. No. No. Yes. B) Halso &xy3 &T

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Famous Sets

\$ = empty set = {}

N = 5et of natural numbers = $\{0,1,2,3,...\}$

 $Z = set of integers = \{... -3, -2, -1, 0, 1, 2, 3... \}$

R: set of real numbers

Q = Set of rational numbers

NOTE: In Book of Proof, N = {1,2,3,4,...}

Set Builder Notation

B= {blah: blerg} means "B is the set of all things of the form blah, such that blerg"

ex: $E = \{2x : x \in \mathbb{Z}\} = \{-6, 0, 1000 \dots 3\}$ = $\{x : x \in \mathbb{Z}\} = \{-6, 0, 1000 \dots 3\}$

Notation:

$$0 = \{x : x \text{ is odd}\}$$

$$0 = \{x \mid x \text{ is odd}\}$$