

MATH 201: QUESTIONS FOR CLASS DISCUSSION



[riddles](#): Jan 14

[introduction to sets](#): Jan 14

[naïve set theory](#): Jan 16

[Cartesian product, indexed sets](#): Jan 21

[propositional logic](#): Jan 23

[first-order predicate logic](#): Jan 28

[first-order logic, continued](#) Jan 30

[introduction to counting](#) Feb 4, 6

[counting with permutations and combinations](#) Feb 6, 11

Test I Feb 18

[pigeon-hole principle](#) Feb 20
inclusion/exclusion principle

[disproof](#) Feb 20

[introduction to induction](#) Feb 25

[induction, continued](#) Feb 27

[direct proof](#)

Test II, March 12

proof by contrapositive and intro to modular arithmetic

proof by contradiction

Test III, April 9