

What Kinds of Discontinuities Are There?

A group activity

Directions

1. Assemble your home group and get a set of 12 function cards.
2. Each function is discontinuous at most once on the domain considered. Compare and contrast the functions and their continuity behavior. Use the tools we've devised so far, including limits, handed limits, and the formal definition of continuity.
3. Divide the cards into groups that are similar in some way. These are categories of discontinuity. Record your categories, the functions that belong to each category, and the rule that says whether a function goes in the category or now. A good categorization system will cover each function and assign each to just one category.
4. Record your categories and reasoning carefully and be prepared to present them.

Cat. name: F'ns: Rule:	Cat. name: F'ns: Rule:
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