What Kinds of Discontinuities Are There?

A group activity

Directions

These are the standard classifications of the functions given. Be aware that other valid schemes may be devisable!

Cat. name: Continuous **F'ns:** 1, 8, 9 **Rule:** Function is equal to its limit at each point.	**Cat. name:** Removable discontinuity **F'ns:** 2, 6, 5 **Rule:** Has a limit, but isn't equal to it.
Cat. name: Jump discontinuity **F'ns:** 4, 11, 12 **Rule:** Function doesn't have a limit, but does have both handed limits.	**Cat. name:** Essential discontinuity **F'ns:** 3, 7, 10 **Rule:** Function doesn't have a limit and doesn't have at least one handed limit – may be infinite or undefined.