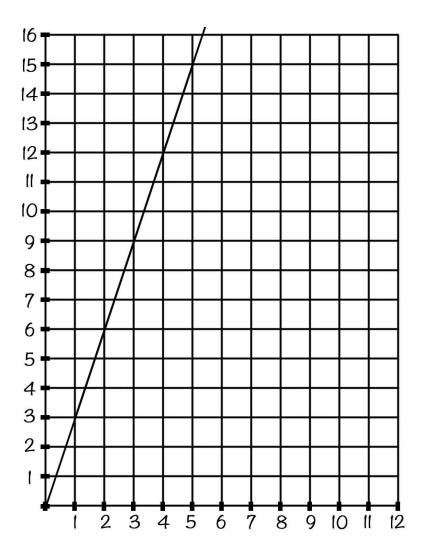
Handout: Lines on a Donut

Suppose we had marked the line y=3x on a grid:



If we then roll the grid up vertically and horizontally to make a donut:

- 1. How would that line wrap around our donut?
- 2. What if we replaced 3 in y = 3x by another integer?
- 3. What if we replaced 3 in y = 3x by 1/3?
- 4. What if we replaced 3 in y = 3x by 1/n for another integer n?
- 5. What if we replaced 3 in y = 3x by p/q?