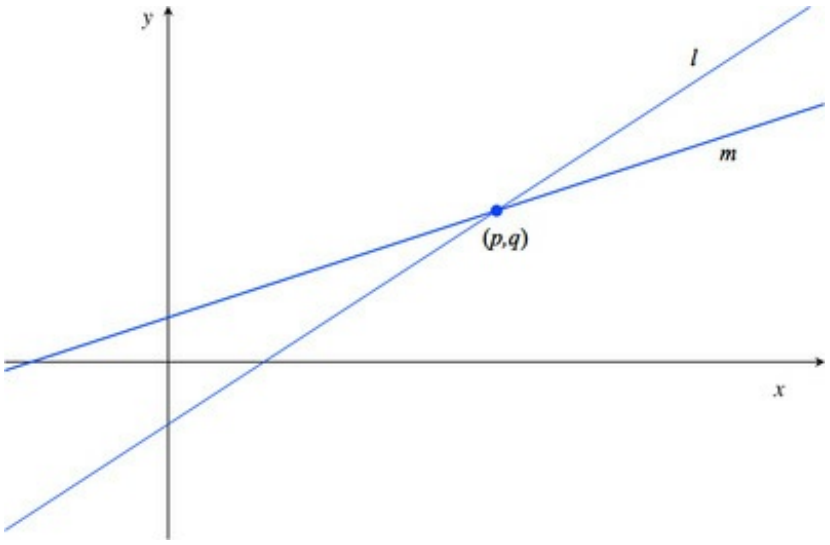
8.EE Equations of Lines

Task

The figure below shows two lines. One is described by the equation $4x - y = c$ and the other by equation $y = 2x + d$, for some constants c and d. They intersect at the point (p, q).



a. How can you interpret c and d in terms of the graphs of the equations above?

b. Imagine you place the tip of your pencil at point (p, q) and trace line l out to the point with x-coordinate $p + 2$. Imagine I do the same on line m. How much greater would the y-coordinate of your ending point be than mine?

8.EE Equations of Lines
Typeset May 4, 2016 at 22:05:25. Licensed by Illustrative Mathematics under a Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License .