# Linear Algebra and Geometry 1

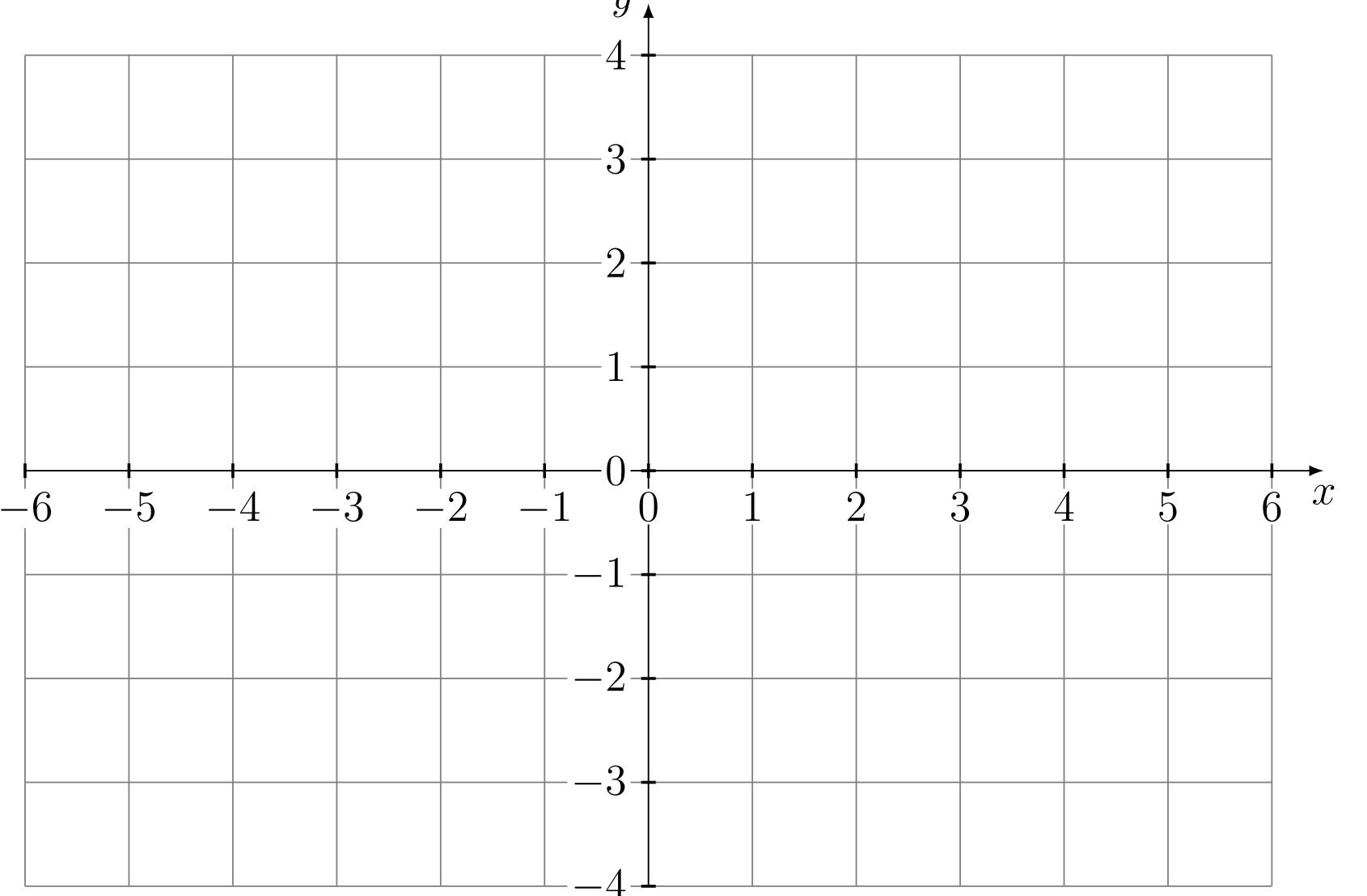
Systems of equations, matrices, vectors, and geometry

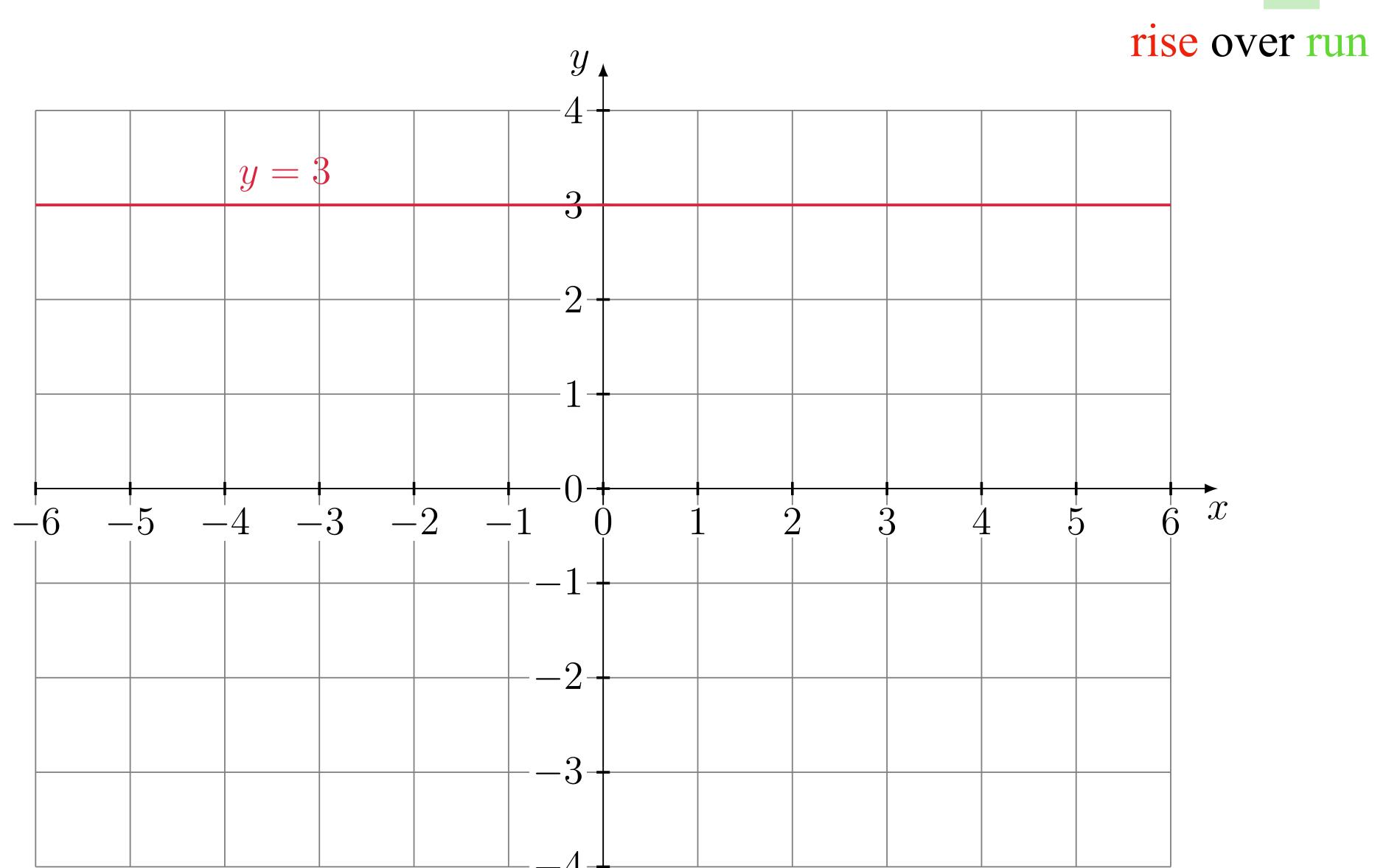
#### Slope-intercept equations of straight lines in the plane

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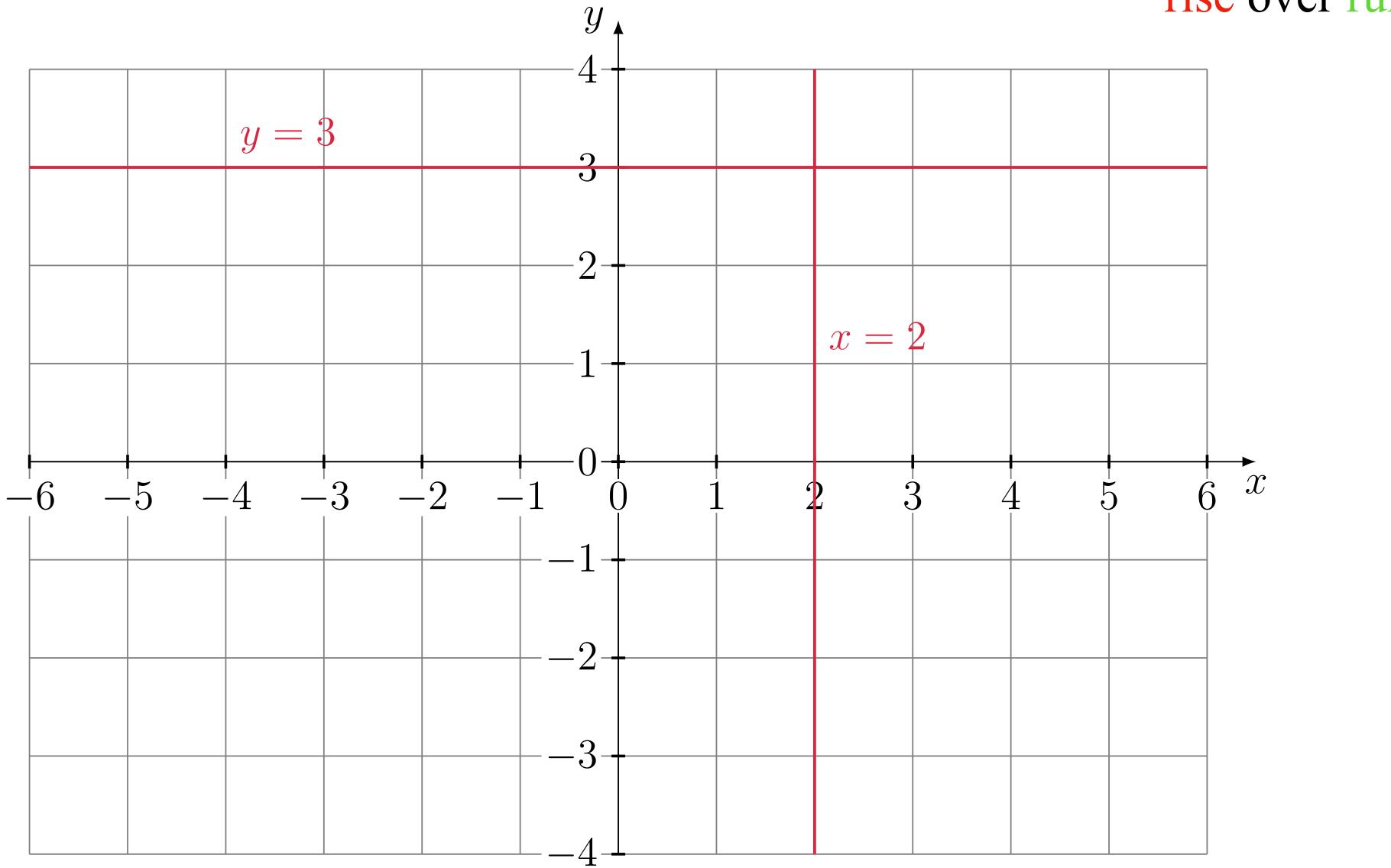




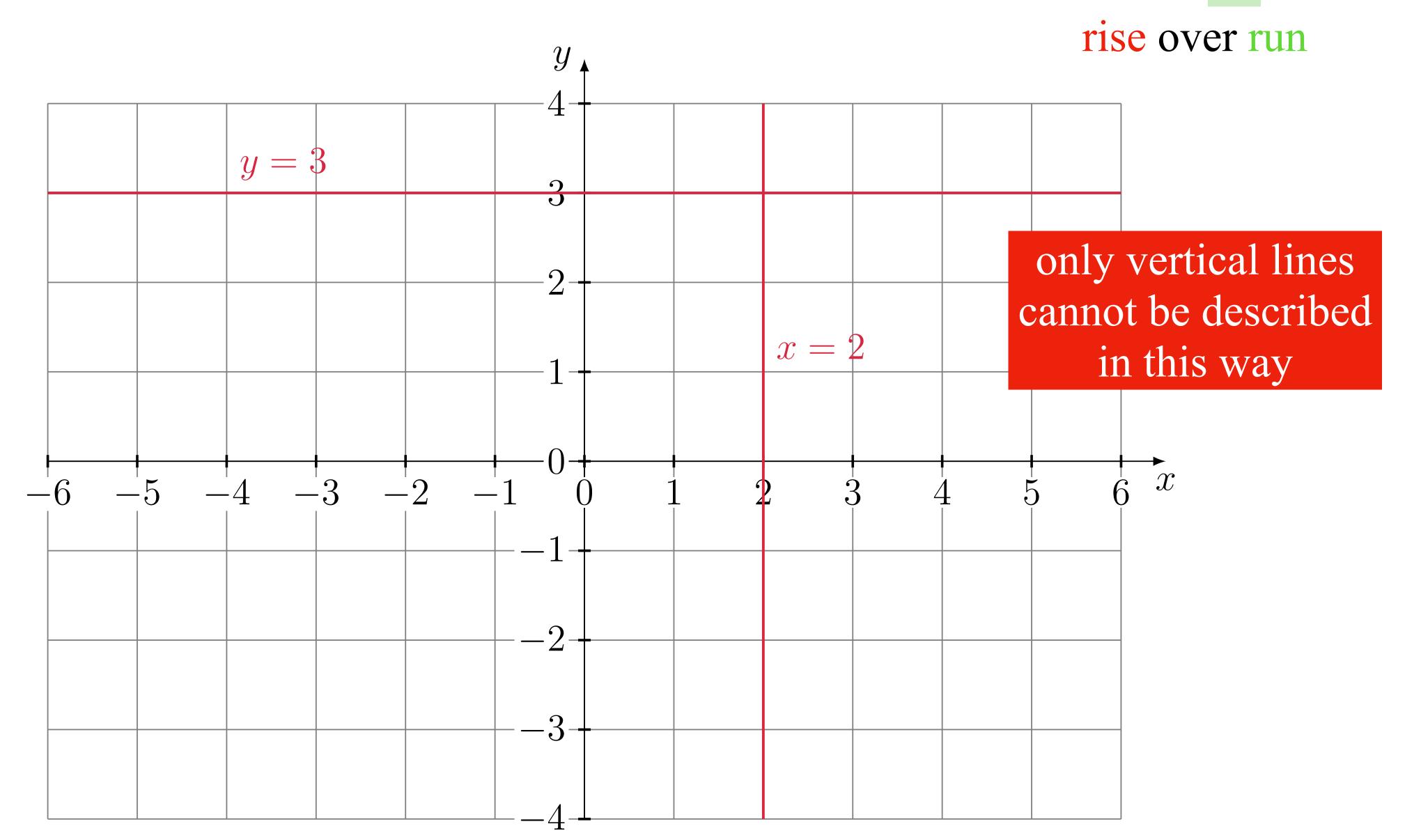


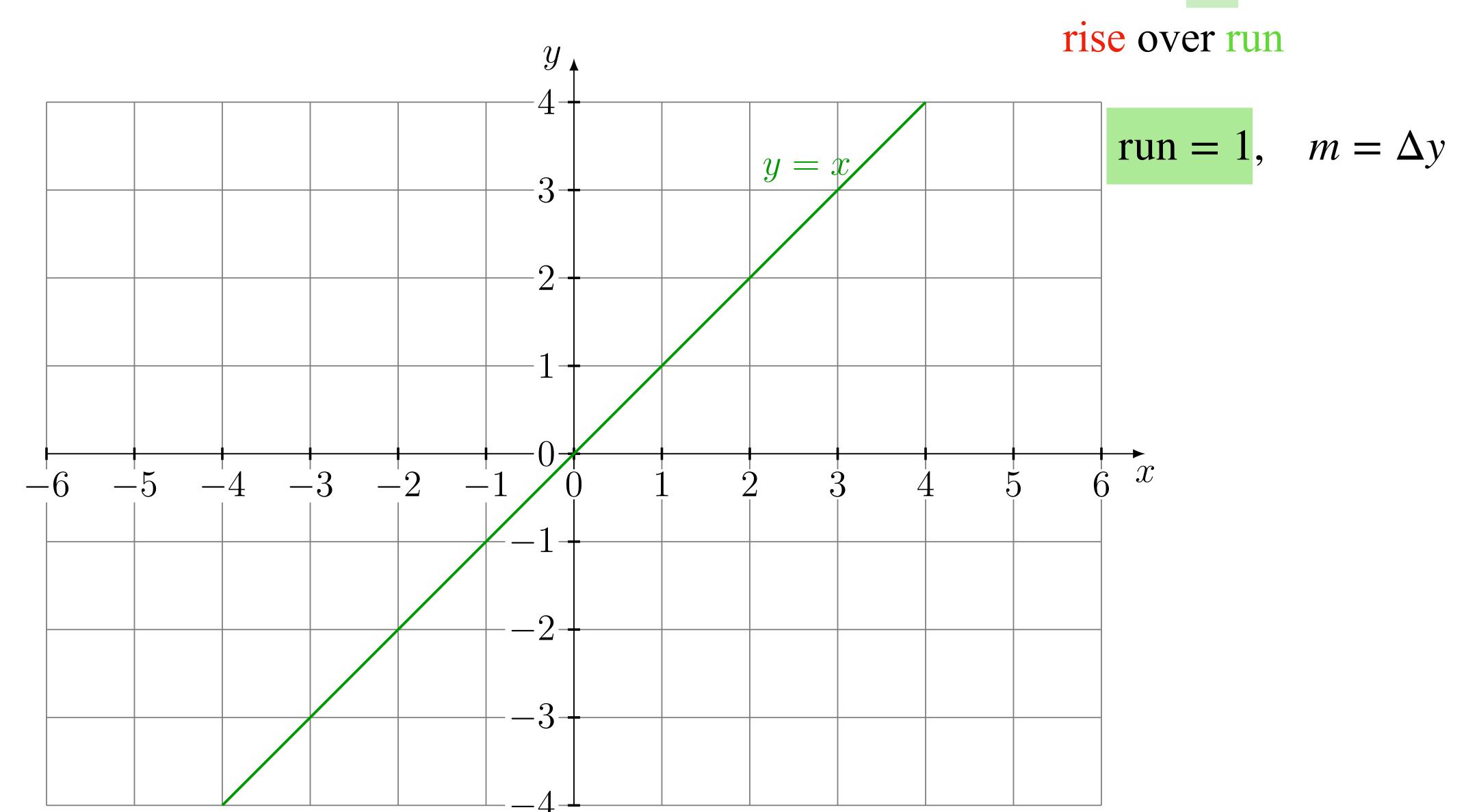




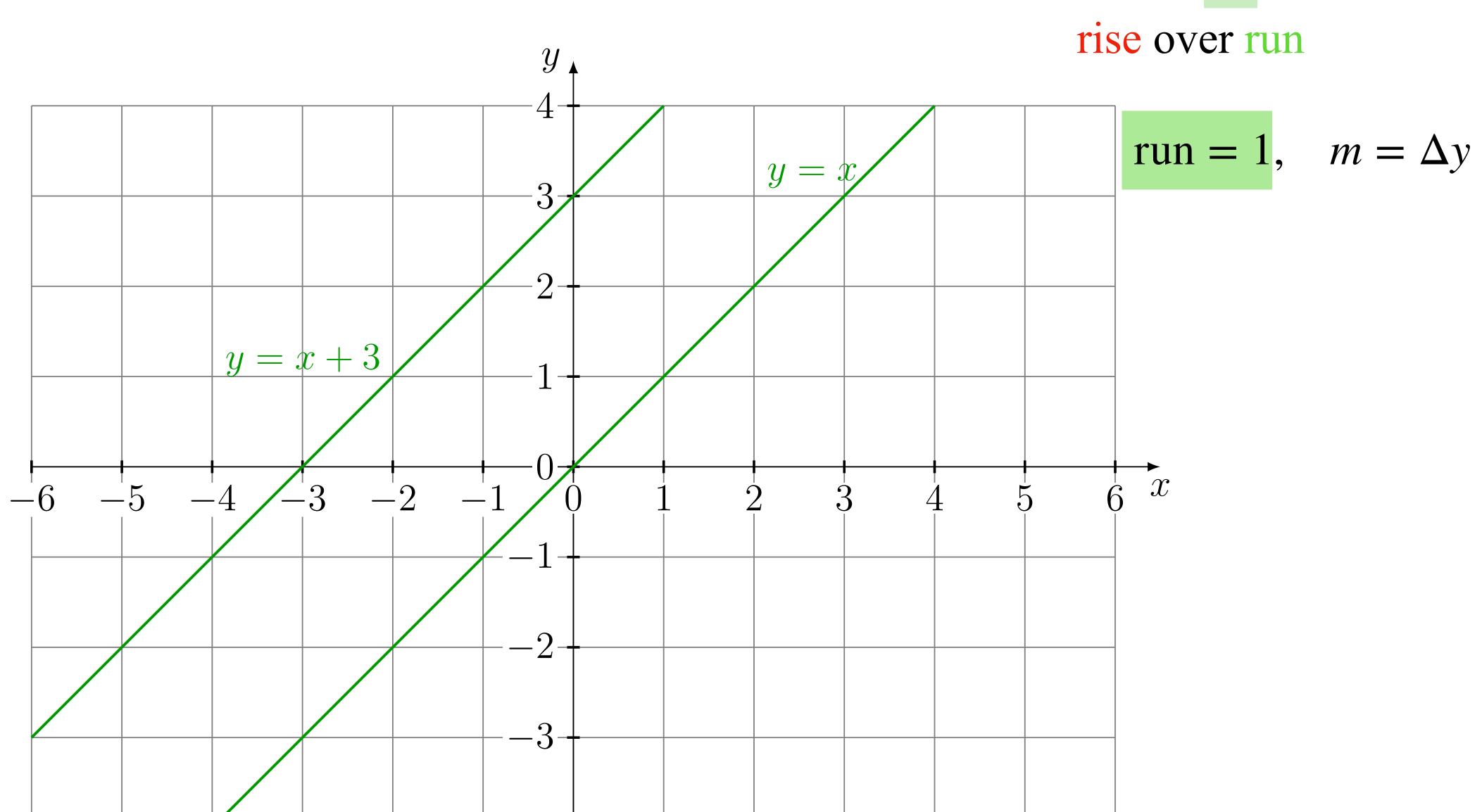




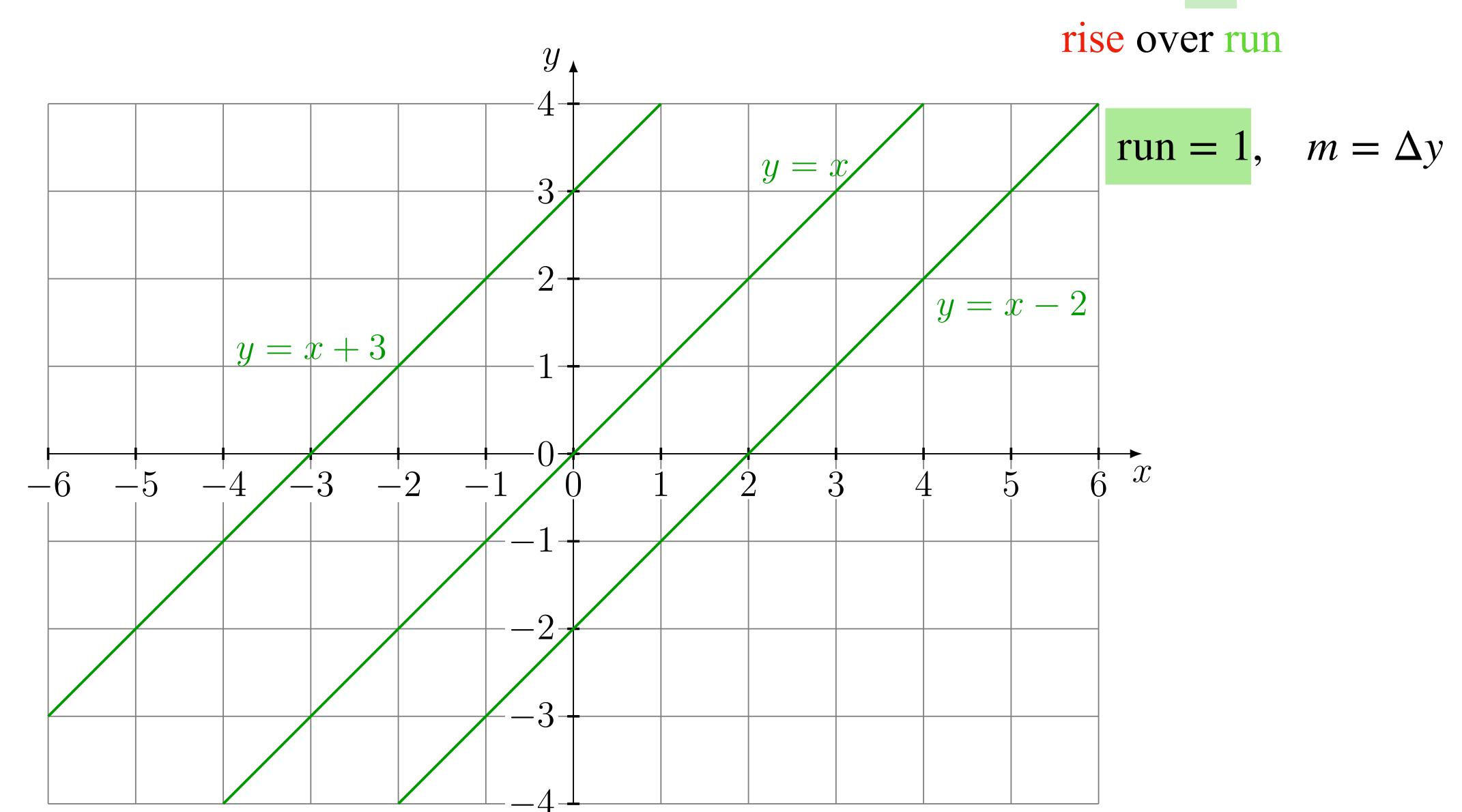




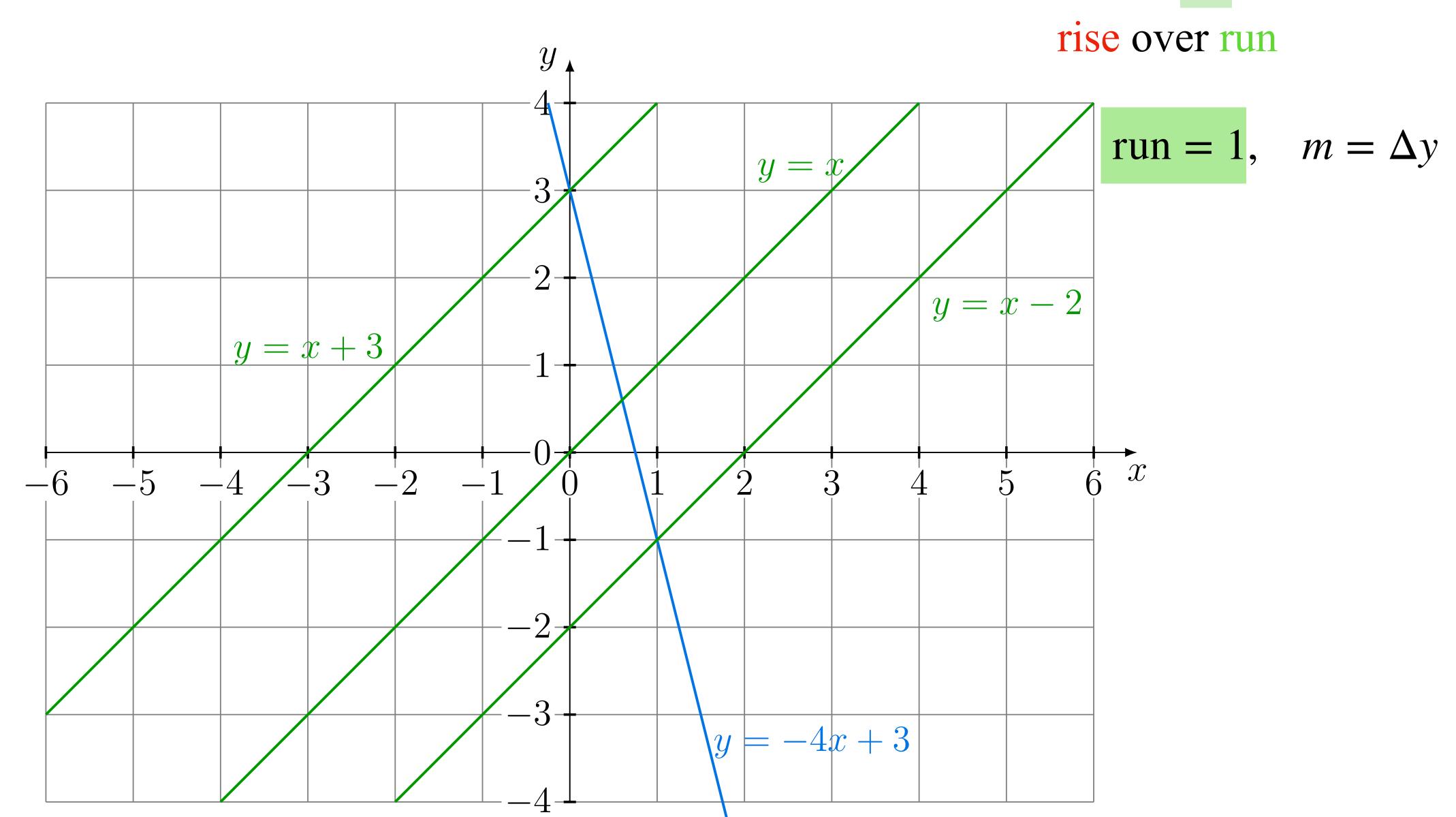


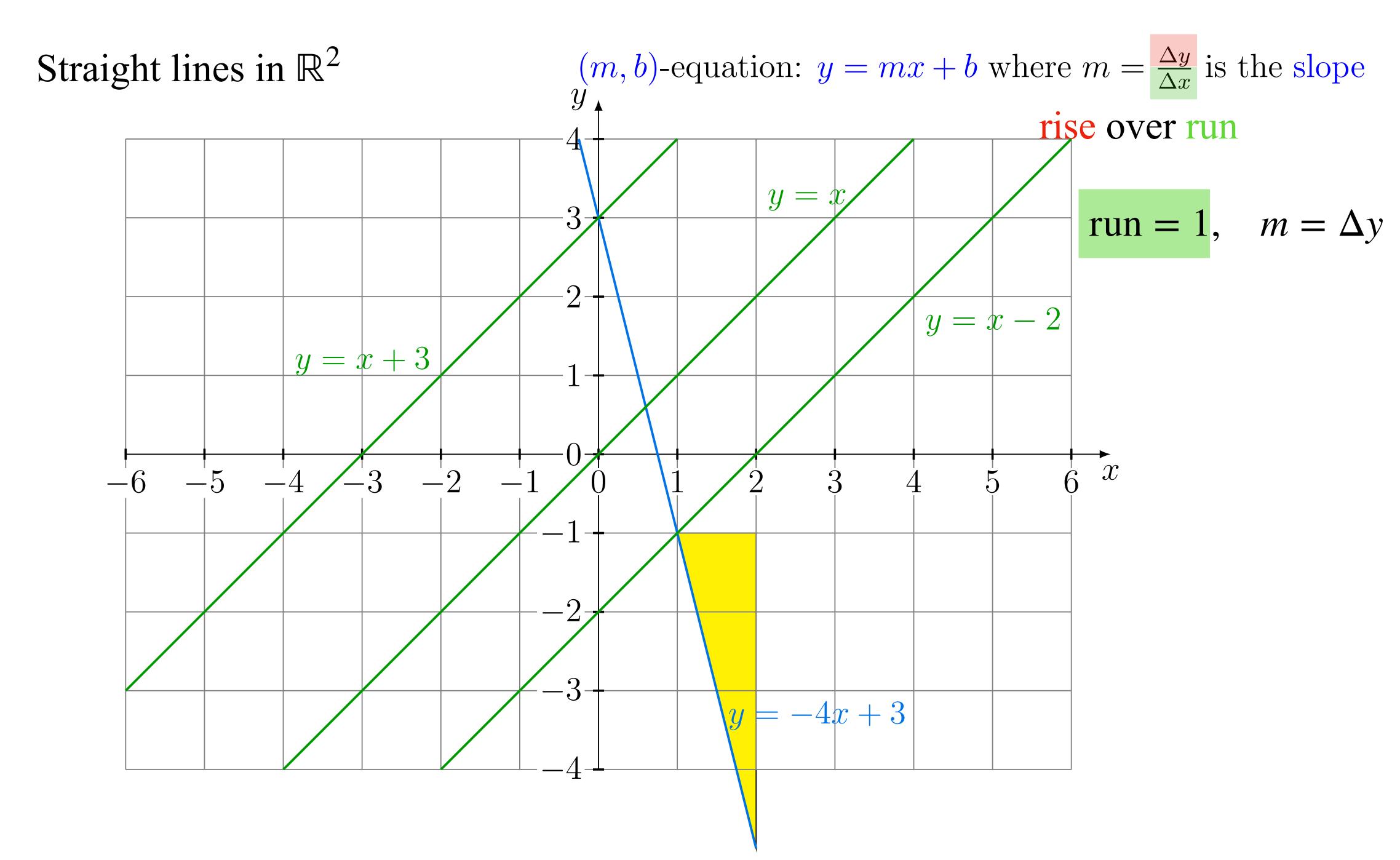




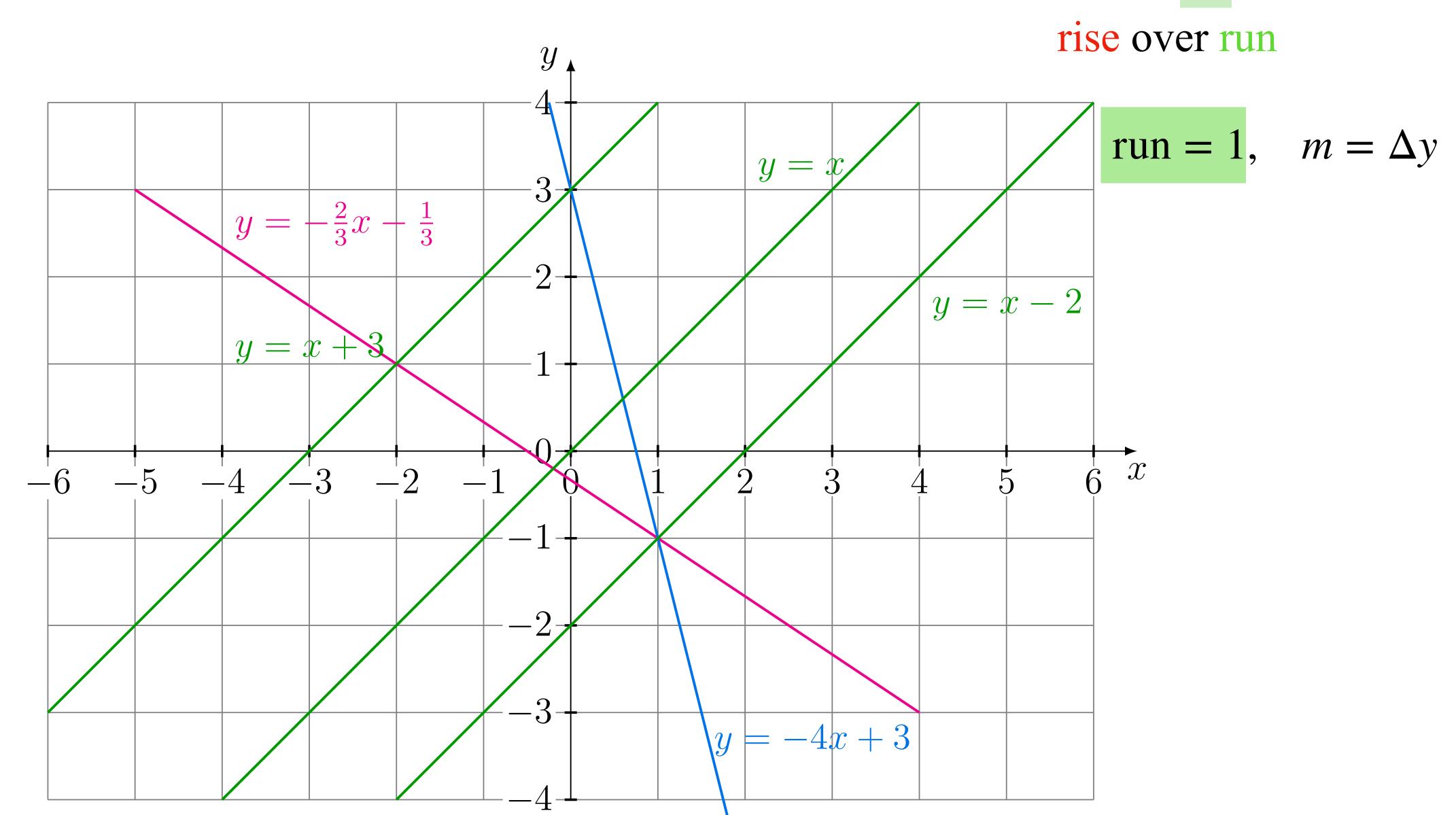




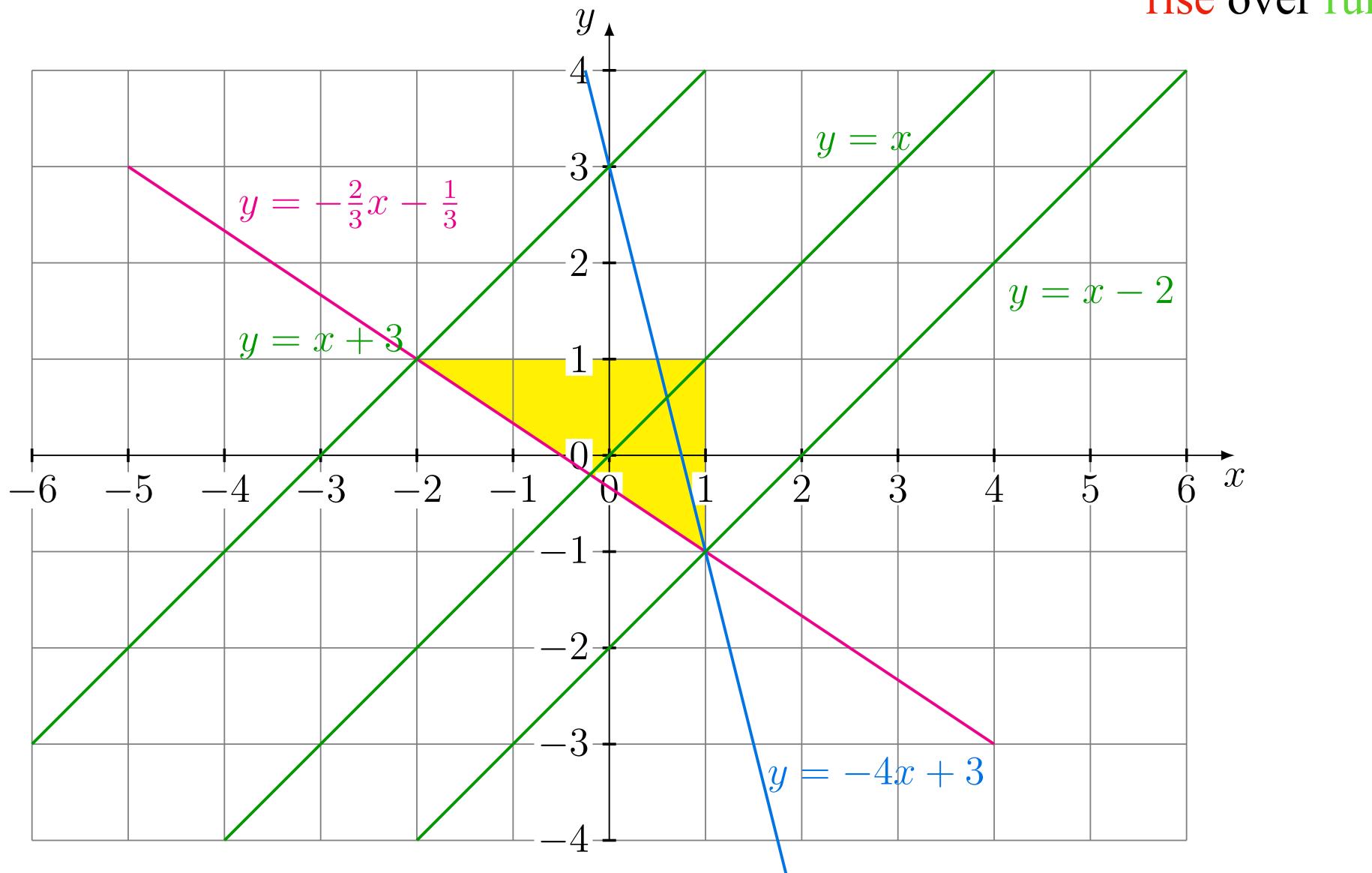


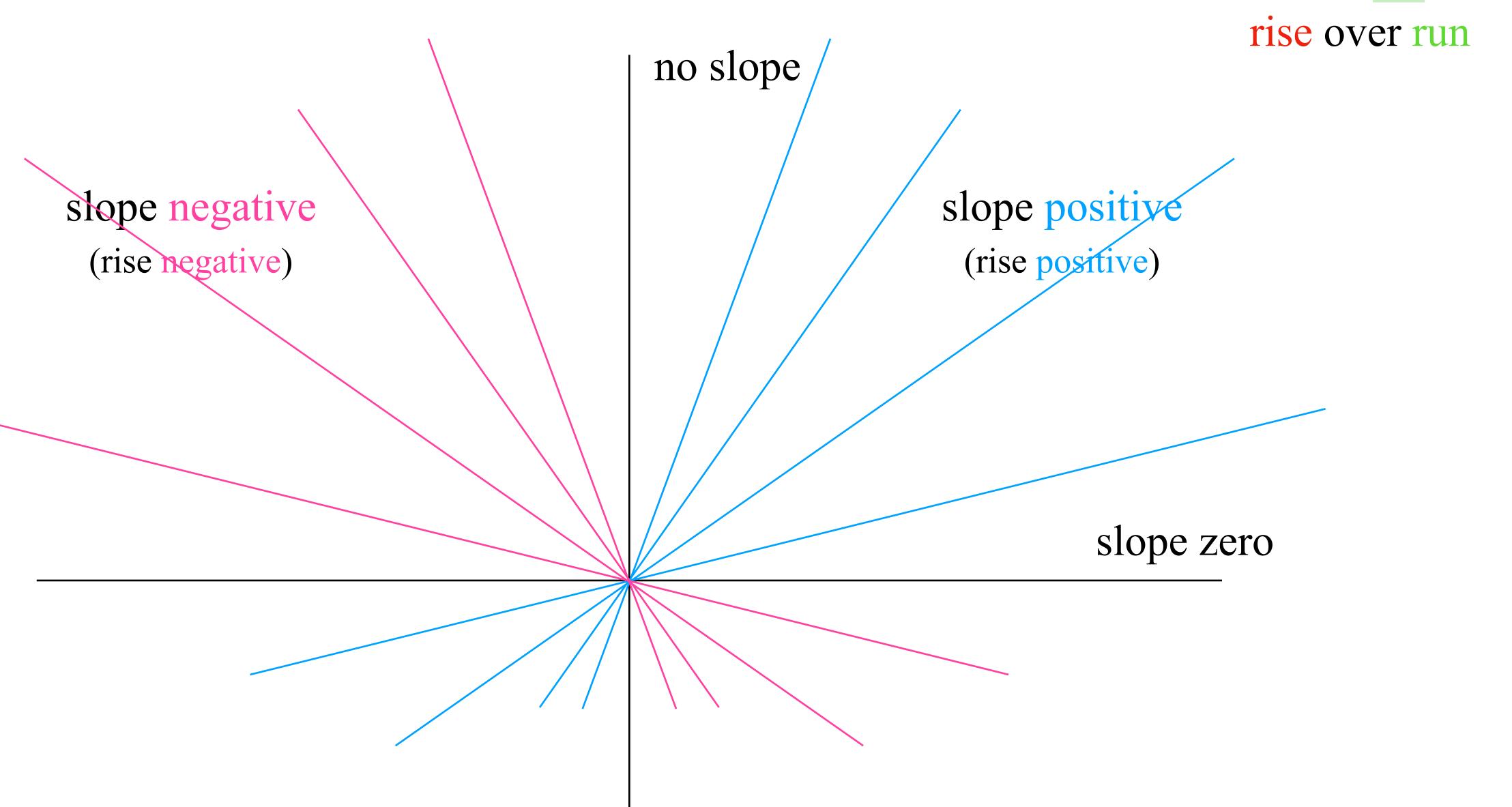












(m,b)-equation: y=mx+b where  $m=\frac{\Delta y}{\Delta x}$  is the slope

rise over run

