MA162: Finite mathematics

Paul Koester

University of Kentucky

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Schedule:

Equation of Line I

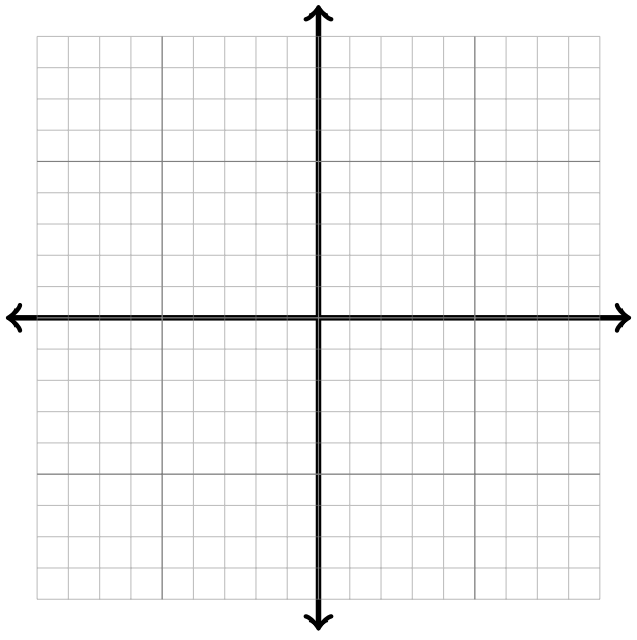
A line passes through the two points $(5, 3)$ and $(7, 6)$.

(a.) Determine the slope of this line.

(b.) Find an equation of this line.

(c.) Sketch the graph of this line.

Equation of Line II



General Form of a Line I

A line is given in the form

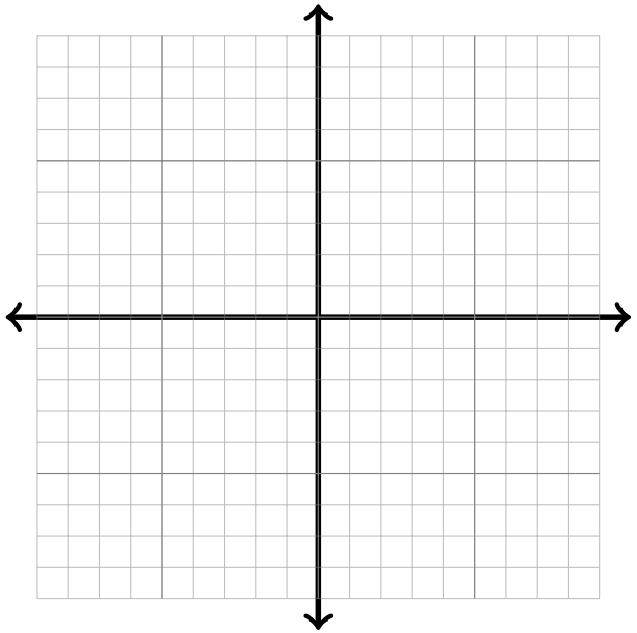
$$3x + 2y = 12$$

(a.) Find the x-intercept.

General Form of a Line II

(b.) Find the y-intercept.

(c.) Sketch the graph of this line.



General Form of a Line III

(d.) If x increases, then will y increase or decrease?

(e.) If x increases by 2 units, then how does y change?

General Form of a Line IV

(f.) If x increases by 3 units, then how does y change?

(g.) If x decreases by 5 units, then how does y change?