

# Linear Equations

Linear Equation: an equation in two variables which can be written in two forms:

- Standard Form:  $Ax + By = C$ , where  $A$ ,  $B$ , and  $C \in \mathfrak{R}$  and  $A$  and  $B$  not both 0
- Slope-Intercept Form:  $y = mx + b$ , where  $m$  is the slope and  $b$  is the y-intercept,  $m$  and  $b \in \mathfrak{R}$