## Lesson 4-5



## Building the Equation of a Line; Parallel and Perpendicular Lines

Set 4-5a

Build the equation of the line in the form y = mx+b, given the following information.

- 1) m = 2, (3,4) is a point on the line.
- **2)** (-1,2) and (4,5) are points on the line.
- **3)** (0,4) and (2,-1) are points on the line.
- **4)** The line passes through (1,3) and is parallel to y = -2x+1.
- **5)** The line passes through (-1,0) and is perpendicular to y = 5x-7.