- I. Equation Forms of a Line: Summary (p.158)
 - 1.y = mx + bslope-intercept form2.Ax + By = Cstandard form3.y = bhorizontal line form4.x = avertical line form5. $y y_1 = m(x x_1)$ point-slope form $P_1(x_1,y_1)$ is any point on the line
- II. Examples (p.163): Exercises #14,16
- III. Parallel & Perpendicular Lines (pp.160-161):
 - 1. Parallel lines have the same slope...

i.e., $m_1 = m_2$

2. Perpendicular lines have slopes which are negative reciprocals of each other...

i.e., $m_1 = -1/m_2$ (or $m_1 \cdot m_2 = -1$) also, can be a horizontal & vertical line

IV. Example (p.163): Exercise #34,46

HW: pp.163-164 / Exercises #3,9,13,19,29,35,45, 47,49,53

Exam I: Chapters 1 & 2 covered

approx. 10-12 problems... Order of operations, exponents & scientific notation Solve an equation (one variable) % application problems Graph an equation/function Function notation, arithmetic (\pm , × or \pm), Domain & Range Slope (m) formula Find *x*- and *y*-intercepts of a linear function Find equation of a line: y = mx + b or Ax + By = CParallel ($m_1 = m_2$) vs Perpendicular ($m_1 = -1/m_2$) **Calculator, pencil, eraser, straight-edge needed!**