

I. If “**k**” is any (non-negative real) number, then:

$$|\mathbf{x}| = \mathbf{k} \iff \mathbf{x} = \pm\mathbf{k}$$

II. Examples (p.272): Exercises #2-26 (even)

III.A. If  $|\mathbf{x}| < \mathbf{k}$  then  $-\mathbf{k} < \mathbf{x} < \mathbf{k}$

B. If  $|\mathbf{x}| \geq \mathbf{k}$  then  $\mathbf{x} \leq -\mathbf{k}$  or  $\mathbf{x} \geq \mathbf{k}$

IV. Examples (p.272): Exercises #40-70 (even)

HW: p.272 / Exercises #1-25 (every other odd),  
39-71 (every other odd)

- I. A First Example (p.283): Exercise #2
  - II. Steps in the Solution Strategy – see p.277
  - III. A Second Example (p.283): Exercise #10
- HW: p.283 / Exercises #1-21 (every other odd)  
Read section 5.1 (pp.304-312)