

I. Absolute Value Equations (p.276):

1. If “c” is any real number, then...

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

2. Examples (p.283): Exercises #8,18,22,38

II. Absolute Value Inequalities (p.278):

1. If “c” is any real number, then

$$|\mathbf{x}| < \mathbf{c} \iff -\mathbf{c} < \mathbf{x} < \mathbf{c}$$

$$|\mathbf{x}| > \mathbf{c} \iff \mathbf{x} < -\mathbf{c} \text{ or } \mathbf{x} > \mathbf{c}$$

similarly for both \leq and \geq (respectively)

2. Examples (pp.283-284): Exercises #56,60,66

HW: pp.283-284 / Exercises #1-63 (every other odd),
69,75,79,83

Read pp.287-293 (section 4.4)