

## II. Rational (fractional) Equations –

- A. Examples (pp.9-10): Exercises #36,92
- B. Additional coverage in Chapter 3

## III. Absolute Value (definition / not in text):

$$|x| = \begin{cases} x & \text{when } x \geq 0 \\ -x & \text{when } x < 0 \end{cases}$$

$$|3 - \pi| = \underline{\hspace{2cm}}$$

## IV. Absolute Value Equations –

- A. See “Summary” box on page 7
- B. Examples (p.10): Exercises #58,70,72

HW: pp.10-11 / Exercises #53-101 (every other odd)


# I. Problem Solving –

A. See “Strategy” box on page 15

B. Recommended Guidelines:

1. Identify/record the unknown(s).
2. Assign a variable (expression for each unknown<sup>\*</sup>).
3. Identify/record the knowns (given info); using phrases, pictures, diagrams, tables, etc.
4. Determine a relationship (*e.g.*, an equation) between the unknown & known quantities.
5. Solve and use the solution to answer the original problem (see step 1)...

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 <sup>\*</sup> If there are two (or more) unknowns to be solved for, then assign a variable to one and write any others with expressions involving that variable (*i.e.*, by how they relate to the named unknown)...

## II. Example (p.21): Exercise #26

HW: p.20 / Exercises #1-17 (every other odd), 19, 21, 23