Readings pages 223-232:

1. Write about how generalizing from numbers can help students learn the meaning of variables. Include at least one example.

2. Write about the misconception students have about the “=” sign. Include examples of the sorts of problems children are most used to seeing, and examples of equations they need more exposure to.

3. Create your own example using a balance scale to solve an algebra problem.

4. Figure out and explain how relational thinking can be used to solve:

a. an open number sentence with addition (on both sides)

b. an open number sentence with subtraction (on both sides)

c. an open number sentence with multiplication (on both sides)

d. an open number sentence with division (on both sides)

5. Use the internet to research how to solve the quadratic equation:  by completing the square using algebra tiles. Draw out the solution, and explain your steps (on another sheet of paper)