1. Describe the professional teaching standards as given by NCTM. Discuss how you can achieve them in your classroom and school.

2. Discuss the NAEP assessment. What are some of the inferences that can be drawn from it? Contrast it to the TIMSS assessment. Contrast it to the Nebraska mathematics assessment…

3. What some examples of technology that can be used in the secondary mathematics classroom? Describe how the technology can be used by you and by your students.

4. What some alternative assessments (assessments besides paper-and-pencil tests)? What are some advantages and disadvantages of these alternative assessments?

5. What does it mean to achieve equity in mathematics education and how can it be addressed through assessment?

6. Using pictorial representations for algebra tiles, demonstrate how to complete the square and solve the following equations:

   \[ x^2 + 6x = 16 \]
   \[ x^2 + 14x = 72 \]

   Ordinarily, how many solutions do equations of this sort have? How many answers have you illustrated? Explain. (Remember you are explaining your solutions to an average ninth grader.)