Classes and Objects 3

Continue from the Fraction class

- 1. If p and q are both variables of type Fraction, under what circumstances will the expression p == q have the value true?
- 2. Suppose that p and q are both of type Fraction with p representing $\frac{2}{3}$ and q representing $\frac{1}{6}$.
 - a) Draw a diagram like those shown in class to illustrate this situation.
 - b) If the statement p = q; is executed, draw a diagram to illustrate the result.
- 3. Write a definition of an equals method for the Fraction class. Your method should return true if and only if the Fraction objects being compared represent *equivalent* fractions.
- 4. Write the toString method for the Fraction class which allows an Fraction object to be outputted in the form <num>/<den>, e.g., 2/3