**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_**

**Worksheet 12**

**Answer the following questions. Show all work.**

1. What type of fraction is ?

1. Improper
2. Proper
3. Mixed Number

2. Convert to a mixed number.

3. Convert the mixed number to an improper fraction.

4. Determine if are equivalent fractions.

5. Determine the inequality for each pair of fractions using

a) b)

6. Write each fraction in simplest form using either method for reducing fractions.

a) b)

**Without using a calculator, add or subtract the following fractions. Reduce, if necessary and show work.**

**Addition:**

7.  8.  9.  10. 

11.  12.  13.  14. 

15.  16.  17.  18. 

19.  20. 

**Without using a calculator, add or subtract the following fractions. Reduce if necessary and show work.**

**Subtraction:**

21.  22.  23.  24. 

25.  26.  27. 

**Subtract the following fractions using the Butterfly Method.**

**Show work.**

28.