Name _____ Pre-Algebra

Chapter 4 - 6 Practice Test

1. List the first 10 prime numbers.

2. Circle the prime numbers: 34 17 45 39 23 123 77

3. Find the prime factorization of these numbers:

   a. 36 b. 175 c. 594

4. Find the GCF and LCM of these pairs of numbers:

   a. 12 and 18 b. 40 and 64

Reduce each fraction to lowest terms.

5. $\frac{32}{56}$. 6 $\frac{45}{72}$

Compare the fractions. Write the appropriate sign (<, >, or =).

7. $\frac{9}{11} \square \frac{3}{4}$ 8. $\frac{21}{31} \square \frac{5}{8}$

Rename the mixed number as an improper fraction.

9. $4\frac{2}{7}$ 10. $1\frac{2}{3}$

Convert the improper fraction to a mixed number in lowest terms.

11. $\frac{67}{8}$ 12. $\frac{164}{11}$

13. Convert $^{11}/_{25}$ to a decimal.

14. Convert 0.36 to a fraction in lowest terms.

Add or subtract. Write fractions in lowest terms.

16. $\frac{2}{5} + \frac{3}{8}$

17. $\frac{4}{7} - \frac{2}{5}$

18. $6\frac{2}{3} + 8\frac{1}{4}$

19. $7\frac{5}{8} - 3\frac{2}{9}$

20. $18 - 6\frac{7}{11}$

21. $3\frac{7}{8} + 4\frac{2}{3}$

22. $486.6 + 17.41 - 6.942$

23. $-25.8 - 6.47$