Kerry Ojakian's MTH 28.5 Class
Class Assignment #3

1. Circle the primes: 2, 9, 13, 21, 23, 30, 51

Factor:

2. $15 =$
3. $20 =$
4. $13 =$
5. $40 =$

Determine if the given fractions are equivalent:

6. $\frac{5}{15}$ and $\frac{1}{3}$
7. $\frac{2}{8}$ and $\frac{2}{4}$
8. $\frac{3}{4}$ and $\frac{12}{16}$
9. $\frac{4}{6}$ and $\frac{10}{15}$

10. Reduce $\frac{25}{10} =$
11. Reduce $\frac{-12}{4} =$
12. Find two fractions that are equivalent to $\frac{2}{7}$:
13. Find two fractions that are equivalent to $\frac{15}{10}$:

Write each integer as a fraction (yes this is a silly exercise! ...):

14. $4 =$
15. $25 =$
16. $0 =$
17. $-3 =$
18. $1 =$
19. $-1 =$

20. $\frac{5}{4} \cdot \frac{7}{3} =$
21. $\frac{5}{4} \cdot \frac{7}{3} =$
22. $\frac{1}{4} \cdot \frac{3}{4} =$
23. $3 \cdot \frac{2}{7} =$
24. $\left(\frac{6}{8}\right)\left(\frac{4}{9}\right) =$
25. $\left(\frac{7}{3}\right)\left(\frac{3}{8}\right) =$

26. $\left(\frac{1}{5}\right)\left(\frac{4}{6}\right) =$

27. $\left(\frac{2}{5}\right)(5) =$

28. Find the area of a square with side length $\frac{5}{3}$:

29. Find the area of a rectangle with width $\frac{7}{2}$ and height $\frac{8}{3}$:

30. $\frac{6}{5} \div \frac{7}{9} =$

31. $\frac{5}{6} \div \frac{2}{9} =$

32. $4 \div \frac{4}{7} =$

33. $7 \div \frac{6}{4} =$

34. $\frac{5}{6} \div 5 =$

35. $\frac{3}{4} \div 7 =$

36. $\frac{8}{5} \div 4 =$

37. $\frac{1}{3} \div \frac{1}{7} =$

38. $\frac{3}{7} + \frac{4}{7} =$

39. $\frac{4}{12} + \frac{5}{12} =$

40. $\frac{6}{5} + \frac{7}{5} =$

41. $\frac{3}{12} + \frac{14}{12} =$

42. $\frac{4}{9} + \frac{2}{9} =$

43. $\frac{1}{15} + \frac{42}{15} =$

44. $\frac{8}{7} - \frac{1}{7} =$

45. $\frac{7}{12} - \frac{3}{12} =$

46. $\frac{8}{5} - \frac{7}{5} =$

47. $\frac{43}{12} - \frac{43}{12} =$

48. $\frac{1}{9} - \frac{2}{9} =$

49. $\frac{20}{15} - \frac{25}{15} =$