MATHEMATICS DIAGNOSTIC PROGRAM

MATH 079 FINAL REVIEW

1. $\begin{array}{r} 42 \\ +\ 25 \\ \hline \end{array}$

2. $\begin{array}{r} 68 \\ +\ 57 \\ \hline \end{array}$

3. $\begin{array}{r} 95 \\ -\ 32 \\ \hline \end{array}$

4. $\begin{array}{r} 76 \\ -\ 48 \\ \hline \end{array}$

5. $\begin{array}{r} 35 \\ \times\ 8 \\ \hline \end{array}$

6. $\begin{array}{r} 32 \\ \times\ 21 \\ \hline \end{array}$

7. $6\overline{)48}$

8. $21\overline{)966}$

9. $\begin{array}{r} 6.53 \\ +\ 2.84 \\ \hline \end{array}$

10. $\begin{array}{r} 32.4 \\ -\ 7.82 \\ \hline \end{array}$

11. $\begin{array}{r} 0.06 \\ \times\ 0.32 \\ \hline \end{array}$

12. $0.6\overline{)3.6}$

13. $1.2\overline{)28.8}$ _____

14. $6\overline{)7.50}$ _____
(Round to the nearest tenth)

15. $600\overline{)3600}$ _____

16. $5.89 \times 100 =$ _____

17. $\frac{3}{5} \times \frac{5}{7}$ _____

18. $\frac{3}{4} \times 16$ _____

19. $\frac{5}{6} \div \frac{5}{12}$ _____

20. $2\frac{1}{3} \div \frac{3}{5}$ _____

21. $\frac{7}{12} + \frac{1}{12}$ _____

22. $\frac{5}{8} + 7\frac{1}{4}$ _____

23. $8\frac{1}{3} - \frac{5}{6}$ _____

24. Write as a decimal $\frac{1}{4}$ _____

25. Write as a fraction: 3.4 _____

26. Write as a decimal: 43.01% _____

27. 36.14 = _____%

28. Write as a fraction: 0.234 _____

29. 6K = 48 K = _____

30. 20% of what number is 80? _____

31. $\frac{4}{3} = \frac{20}{n}$ n = _____

ANSWERS TO PRACTICE PROBLEMS

1. 67
2. 125
3. 63
4. 28
5. 280

6. 672
7. 8
8. 46
9. 9.37
10. 24.58

11. 0.0192
12. 6
13. 24
14. $1.25 \approx 1.3$
15. 6

16. 589
17. $\frac{15}{35} = \frac{3}{7}$
18. 12
19. 2
20. $3\frac{8}{9}$

21. $\frac{8}{12} = \frac{2}{3}$
22. $7\frac{7}{8}$
23. $7\frac{1}{2}$
24. .25
25. $3\frac{2}{5}$

26. 0.4301
27. 3614%
28. $\frac{234}{1000} = \frac{117}{500}$
29. $6K = 48$ $K = 8$

30. 400
31. $n = 15$