Problem of the Week #4

Directions: Solve the following problem. The explanation must be on a separate sheet of paper. Show all work on one to two pages. Your explanation of your solution must be as thorough as possible. This problem will be due on 11/2/2004 and is worth 20 points.

Find at least 5 pairs of positive integers x and y such that

\[
\frac{1}{x} + \frac{1}{y} = \frac{1}{12}
\]