Indeterminate Equation

The Euclidean Method

Learn how to solve this *type* of problems, not just this problem.

1. Find the number of ordered pairs of positive integer solutions (m, n) to the equation $20m + 16n = 2016$.

2. Of the pairs of positive integers (x, y) that satisfies $3x + 7y = 188$, which ordered pair has the least positive difference $x - y$?

   (Ref Ref 2009: 2009 BCML)