Math 115. Homework #14

Do not hand in. Solutions will be posted on bCourses on December 9.

Section 7.8 (Page 356): 2, 4, 5, 7, 13.

Additional problem #1
Find all positive solutions to
\[ x^2 - 3y^2 = 13 \]
(with \( x, y \in \mathbb{Z} \)). Give your answers in a form similar to Theorem 7.26. Be sure that each positive solution occurs exactly once. Use a minimum of computation.