Throughout, all variables represent integers unless otherwise specified.

1. 5.1.3

2. **TURN IN:** 5.1.4

3. 5.3.1

4. 5.4.1

5. Find three nontrivial solutions of \( x^2 - 7y^2 = 1 \) with both \( x \) and \( y \) positive.

6. **TURN IN:** Find three nontrivial solutions of \( x^2 - 5y^2 = 1 \) with both \( x \) and \( y \) positive.

**EXAM PROBLEMS**

You may use only your textbook and notes for these problems. You may not consult with anyone else or use the internet to help you solve them.

None on this assignment.