MATH 3200: PROBLEMS FOR QUIZ #2

Quiz #2 will be given on Monday, 2/3, during the first 5-10 minutes of class. It will consist of three questions designed to quickly check your understanding of Chapter 2. **The three questions will be taken from the following list.** I will be happy to discuss proposed answers to these questions during office hours.

1. What is the strategy of a **direct proof?**

2. What is the strategy of a **proof by contrapositive?**

3. What is the strategy of a **proof by contradiction?**

4. What does it mean for an integer to be **even**?

5. What does it mean for an integer to be **odd**?

6. When do we say two integers have the **same parity**?

7. Let a, b be integers. What does "a **divides** b" mean?