Part 1: Definitions and Concepts

1) Let n be an integer. State the definition for n to be an <u>even integer</u>. Be precise: vague answers will be given no credit.

2) Let n and m be integers. State the definition for n to $\underline{\text{divide}}\ m$. Be precise: vague answers will be given no credit.

3) Determine whether the following are true or false.

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$$F(V)$$
 0 is even.

Part 2: Proofs

4) Let n be an even number. Prove that n+7 is an odd number.