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Name: \_\_\_\_\_

QUIZ 19 ♣

MATH 211  
April 20, 2023

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1. Suppose  $a, b, c \in \mathbb{Z}$ . Use direct proof to prove: If  $a \mid b$  and  $b \mid c$ , then  $a \mid c$ .

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QUIZ 19 ♠

MATH 211  
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1. Suppose  $a, b \in \mathbb{Z}$ . Use direct proof to prove: If  $a \mid b$ , then  $a^2 \mid b^2$ .