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

QUIZ 14 

MATH 300  
October 17, 2024


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1. Prove or disprove. If  $A$  and  $B$  are sets, then  $\mathcal{P}(A \cap B) \subseteq \mathcal{P}(A) \cap \mathcal{P}(B)$ .

2. Prove or disprove. If  $A$  and  $B$  are sets, then  $\mathcal{P}(A \cup B) \subseteq \mathcal{P}(A) \cup \mathcal{P}(B)$ .

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