Algebra and Representation
Your Unit or Mine?

NAME ____________________________

Circle the correct equation relating the variables in each problem.

1. There are 1760 yards in 1 mile. If \( Y \) represents the number of yards and \( M \) represents the number of miles, which of the following equations correctly relates \( Y \) and \( M \)?
   
   (a) \( 1760Y = M \)
   (b) \( Y = 1760M \)

2. There are 4 quarts in 1 gallon. If \( A \) represents the number of quarts and \( B \) represents the number of gallons, which of the following equations correctly relates \( A \) and \( B \)?
   
   (a) \( 4A = B \)
   (b) \( A = 4B \)

3. There are 3 feet in 1 yard. If \( R \) represents the number of feet and \( S \) represents the number of yards, which of the following equations correctly relates \( R \) and \( S \)?
   
   (a) \( 3R = S \)
   (b) \( R = 3S \)

4. There are 2 cups in 1 pint. If \( C \) represents the number of cups and \( P \) represents the number of pints, which of the following equations correctly relates \( C \) and \( P \)?
   
   (a) \( 2C = P \)
   (b) \( C = 2P \)