Read and interpret each word problem and choose the one-step equation that best represents the situation.

1) The total distance from Sam's house to the stadium is 12 miles. He drives 6.5 miles and takes a break. He has to cover a distance of \( x \) miles to reach his destination.

   a) \( 6.5x = 12 \)   
   b) \( x - 12 = 6.5 \)   
   c) \( 12 + x = 6.5 \)   
   d) \( 6.5 + x = 12 \)

2) Jacob bought three printed t-shirts priced at $14.96 each. He was billed for \( x \).

   a) \( \frac{x}{14.96} = 3 \)   
   b) \( 14.96x = 3 \)   
   c) \( 3x = 14.96 \)   
   d) \( 3 + x = 14.96 \)

3) Green Day & Co. sold 37 electric cars last year. Electromania & Co. sold \( x \) cars. Both the companies sold a total of 63 electric cars the previous year.

   a) \( x + 63 = 37 \)   
   b) \( 37 + x = 63 \)   
   c) \( x - 63 = 37 \)   
   d) \( 37x = 63 \)

4) Daniel buys \( x \) saplings. He plants 15 in his backyard in the morning and the remaining 17 saplings in the evening.

   a) \( 15x = 17 \)   
   b) \( x - 15 = -17 \)   
   c) \( x - 15 = 17 \)   
   d) \( x + 15 = -17 \)

5) Patrick receives $12 as tips from two customers whose tables he waited on. One customer gave him \( x \) and the other gave him $5.

   a) \( 12 + x = 5 \)   
   b) \( x + 5 = 12 \)   
   c) \( 5x = 12 \)   
   d) \( x - 5 = 12 \)
One-Step Equations - MCQ

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   c) \( 12 + x = 6.5 \)

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   d) \( 6.5 + x = 12 \)

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a) \( \frac{x}{14.96} = 3 \)  
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5) Patrick receives $12 as tips from two customers whose tables he waited on. One customer gave him $x and the other gave him $5.

a) \( 12 + x = 5 \)  
   c) \( 5x = 12 \)

b) \( x + 5 = 12 \)  
   d) \( x - 5 = 12 \)