Elementary Algebra and Functions

Sample Question 1

If \( \frac{x - 1}{x} = 20 \), then \( x = \)

A. -21  
B. -19  
\[ \text{C. -} \frac{1}{19} \]  
D. \( \frac{1}{21} \)

Explanation:

Choice (C) is correct. If \( \frac{x - 1}{x} = 20 \), then \( x - 1 = 20x \). It follows that \( -1 = 19x \),
or \( x = -\frac{1}{19} \).