

Solving Equations Review
Find and Fix the Mistakes

Name _____

Problem and Incorrect Solution	Explanation of Errors Made (some have more than one mistake)	Correct Solution (show all work)
$\begin{array}{r} 2x - 2 = 14 \\ \quad -2 \quad -2 \\ \hline 2x \quad = 12 \\ \frac{2x}{2} \quad = \frac{12}{2} \\ x \quad = 6 \end{array}$		
$\begin{array}{r} 5y + (-5) = 10 \\ \quad -5 \quad -5 \\ \hline 5y \quad = 5 \\ \frac{5y}{5} \quad = \frac{5}{5} \\ y \quad = 1 \end{array}$		
$\begin{array}{r} \frac{x}{6} + 3 = -18 \\ \quad -3 \quad -3 \\ \hline 6 \bullet \frac{x}{6} \quad = -15 \bullet 6 \\ x \quad = -90 \end{array}$		
$\begin{array}{r} 4 - 2x = -2 \\ +4 \quad +4 \\ \hline \frac{2x}{2} = \frac{2}{2} \\ x = 6 \end{array}$		

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$ \begin{array}{r} -2(8m + 8) = -16 \\ -16m + 16 = -16 \\ \quad -16 \quad -16 \\ \hline -16m \quad = -32 \\ \frac{-16m}{16} \quad = \frac{-32}{16} \\ m \quad = -2 \end{array} $		
$ \begin{array}{r} 5(1 + 4h) + 2h = 27 \\ 5 + 20h + 2h = 27 \\ \quad 27h = 27 \\ \quad \frac{27h}{27} = \frac{27}{27} \\ \quad h = 1 \end{array} $		
$ \begin{array}{r} -2(x - 8) + 4x = -12 \\ -2x - 16 + 4x = -12 \\ -2x - 16 + 4x = -12 \\ \quad -2x - 16 = -12 \\ \quad \quad +16 \quad +16 \\ \hline \quad -2x \quad = 4 \\ \quad \frac{-2x}{2} \quad = \frac{4}{2} \\ \quad x \quad = 2 \end{array} $		