

What's the Error?

Each of the problems below has a student error. Your job is to identify the error and then correct it.

Student's Work	Error	Correction
<p>Example:</p> $\frac{-2x = -14}{2 \quad 2}$ $x = -7$	The student divided by 2 instead of -2.	$\frac{-2x = -14}{-2 \quad -2}$ $x = 7$
$\begin{array}{r} -12 = x - 20 \\ +20 \quad +20 \\ \hline 32 = x \end{array}$		
$\begin{array}{r} -3(2x-2) = 14 \\ -6x - 6 = 14 \\ \quad +6 \quad +6 \\ \hline -6x = 20 \\ -6 \quad -6 \\ \hline x = -10/4 \end{array}$		
$\begin{array}{r} -8x + 4 = 12 \\ \quad -8x = -8 \\ \quad -8 \quad -8 \\ \hline x = 1 \end{array}$		
$\begin{array}{r} 2(x - 5) = 37 \\ 2x - 10 = 37 \\ 2x = 27 \\ x = 27/2 \end{array}$		
$\begin{array}{r} \frac{1}{3}x = -12 \\ \quad x = -4 \end{array}$		