

Linear Equations Error Correction

Name _____

Period _____ Date _____

In each of the following problems, there is at least one error in the work shown.
CIRCLE the mistake, and complete the problem correctly.

<p>1. WRONG:</p> $\begin{array}{r} -6t = 30 \\ \underline{-6 \quad -6} \\ t = 5 \end{array}$ <p>RIGHT:</p> <p>(CIRCLE THE ERROR)</p>	<p>2. WRONG:</p> $\begin{array}{r} \frac{3}{4} \cdot \frac{3}{4} x = 12 \cdot \frac{3}{4} \\ x = 9 \end{array}$ <p>RIGHT:</p>
<p>3. WRONG:</p> $\begin{array}{r} 8 - 5c = -37 \\ \underline{-8 \quad -8} \\ 5c = -45 \\ \underline{5 \quad 5} \\ c = -9 \end{array}$ <p>RIGHT:</p>	<p>4. WRONG:</p> $\begin{array}{r} 3(2x - 4) = 8 \\ 6x - 4 = 8 \\ \underline{\quad +4 \quad +4} \\ 6x = 12 \\ \underline{6 \quad 6} \\ x = 2 \end{array}$ <p>RIGHT:</p>
<p>5. WRONG:</p> $\begin{array}{r} 4x - 3 = 17 \\ \underline{+3 \quad +3} \\ 4x = 20 \\ \underline{-4 \quad -4} \\ x = 16 \end{array}$ <p>RIGHT:</p>	<p>6. WRONG:</p> $\begin{array}{r} \frac{x+1}{3} = 2-1 \\ 3 \cdot \frac{x}{3} = 1 \cdot 3 \\ x = 3 \end{array}$ <p>RIGHT:</p>
<p>7. WRONG:</p> $\begin{array}{r} -2(x-2) = 14 \\ \underline{-2x-4 = 14} \\ \underline{+4 \quad +4} \\ -2x = 18 \\ \underline{-2 \quad -2} \\ x = -9 \end{array}$ <p>RIGHT:</p>	<p>8. WRONG:</p> $\begin{array}{r} 3(2x+1) + 4 = 10 \\ 6x + 3 + 4 = 10 \\ 9x + 4 = 10 \\ \underline{\quad -4 \quad -4} \\ 9x = 6 \\ \underline{9 \quad 9} \\ x = \frac{6}{9} = \frac{2}{3} \end{array}$ <p>RIGHT:</p>
<p>9. WRONG:</p> $\begin{array}{r} 3x + 2x - 6 = 24 \\ \underline{-2x - 2x} \\ x - 6 = 24 \\ \underline{+6 \quad +6} \\ x = 30 \end{array}$ <p>RIGHT:</p>	<p>10. WRONG:</p> $\begin{array}{r} 5x + 1 = -2x - 8 \\ \underline{\quad -1 \quad -1} \\ 3x + 1 = -8 \\ \underline{\quad -1 \quad -1} \\ 3x = -9 \\ \underline{3 \quad 3} \\ x = -3 \end{array}$ <p>RIGHT:</p>