

## Homework #50 ~ Solving Two Step Equations

Directions: Solve the following equations algebraically. Show ALL work!

<p>1) <math>\frac{x}{-3} + 2 = -5</math>  <del><math>-2 - 2</math></del>  <del><math>\frac{x}{-3} = (-7) - 3</math></del>  <math>x = 21</math></p>	<p>2) <math>10x - 30 = 50</math>  <del><math>+30 +30</math></del>  <del><math>10x = 80</math></del>  <del><math>\frac{10x}{10} = \frac{80}{10}</math></del>  <math>x = 8</math></p>
<p>3) <math>6 = 2x - 12</math>  <del><math>+12 +12</math></del>  <del><math>18 = 2x</math></del>  <del><math>\frac{18}{2} = \frac{2x}{2}</math></del>  <math>x = 9</math></p>	<p>4) <math>-2 = \frac{x}{4} - 6</math>  <del><math>+6 +6</math></del>  <del><math>4(4) = (\frac{x}{4})4</math></del>  <math>x = 16</math></p>
<p>5) <math>2y + 4 = 2</math>  <del><math>-4 -4</math></del>  <del><math>2y = -2</math></del>  <del><math>\frac{2y}{2} = \frac{-2}{2}</math></del>  <math>y = -1</math></p>	<p>6) <math>3n - 1 = 26</math>  <del><math>+1 +1</math></del>  <del><math>3n = 27</math></del>  <del><math>\frac{3n}{3} = \frac{27}{3}</math></del>  <math>n = 9</math></p>