

**PRACTICE TEST 13 ALGEBRA Solving Multi-Step Equations ANSWERS**

NAME \_\_\_\_\_

Place your answer by darkling in the correct circle for each problem.

Hint: Instead of multiplying the number in parentheses divide both sides

<p>A. <math>-144 = 9(9x + 8)</math> <math>-16 = 9x + 2</math> <math>-18 = 9x</math> <math>-2 = x</math></p> <p><input checked="" type="radio"/> X = -2 <input type="radio"/> x = -9 <input type="radio"/> x = 2</p>	<p>G. <math>4(-16x + 4) = 672</math> <math>-16x + 40 = 168</math> <math>-16x = 128</math> <math>X = -8</math></p> <p><input checked="" type="radio"/> x = -8 <input type="radio"/> x = 8 <input type="radio"/> x = 16</p>
<p>B. <math>6(-5x + 30) = 450</math> <math>-5x + 30 = 75</math> <math>-5x = 45</math> <math>x = -9</math></p> <p><input type="radio"/> x = 45 <input checked="" type="radio"/> x = -9 <input type="radio"/> x = 9</p>	<p>H. <math>-10(22x - 13) = 310</math> <math>22x - 13 = 31</math> <math>22x = 44</math> <math>X = 2</math></p> <p><input type="radio"/> X = -2 <input checked="" type="radio"/> X = 2 <input type="radio"/> X = 22</p>
<p>C. <math>4(6x + 30) = 360</math> <math>6x + 30 = 90</math> <math>6x = 60</math> <math>X = 10</math></p> <p><input type="radio"/> X = 6 <input type="radio"/> X = -10 <input checked="" type="radio"/> X = 10</p>	<p>I. <math>3(55x - 150) = 375</math> <math>55x - 150 = 125</math> <math>55x = 275</math> <math>X = 5</math></p> <p><input type="radio"/> X = 10 <input type="radio"/> X = -5 <input checked="" type="radio"/> X = 5</p>
<p>J. <math>8(-4x + 29) = 616</math> <math>-4x + 29 = 77</math> <math>-4x = 48</math> <math>X = -12</math></p> <p><input type="radio"/> X = 12 <input checked="" type="radio"/> X = -12 <input type="radio"/> X = -24</p>	<p>J. <math>-10(-8x + 10) = 300</math> <math>-8x + 10 = -30</math> <math>-8x = -40</math> <math>X = 5</math></p> <p><input type="radio"/> X = 10 <input checked="" type="radio"/> X = 5 <input type="radio"/> X = -5</p>
<p>K. <math>3(5x + 56) = 498</math> <math>5x + 56 = 166</math> <math>5x = 110</math> <math>X = 22</math></p> <p><input type="radio"/> X = 55 <input type="radio"/> X = -22 <input checked="" type="radio"/> X = 22</p>	<p>L. <math>-5(-3x + 2) = -70</math> <math>-3x + 2 = 14</math> <math>-3x = 12</math> <math>X = -4</math></p> <p><input checked="" type="radio"/> X = -4 <input type="radio"/> X = 4 <input type="radio"/> X = -3</p>