

Name: _____

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Class: _____

Date: _____

<p>1) Translate the following phrases into algebraic expressions.</p> <p>3 times a number: _____</p> <p>7 less than a number: _____</p> <p>5 decreased by a number: _____</p> <p>7 less than 4 times a number: _____</p> <p>9 less than twice a number: _____</p> <p>7 times a number, increased by 4: _____</p> <p>5 times a number, increased by 8: _____</p> <p>5 more than 8 times a number: _____</p> <p>8 times the sum of a number and 5: _____</p> <p>35 less than a number is 55: _____</p> <p>The product of 4 and a number is 8: _____</p>	<p>2) Translate the following phrases into algebraic expressions.</p> <p>10 more than a number: _____</p> <p>One third of a number: _____</p> <p>8 more than three times a number: _____</p> <p>10 less than 4 times a number: _____</p> <p>Twice the sum of 5 times a number and 8 _____</p> <p>A number decreased by 10: _____</p> <p>Two times the sum of a number and 3 is 24: _____</p> <p>Eleven less than twice a number is 36: _____</p>
<p>3) Solve for x.</p> $3x + 5 = 17$	<p>4) Which value of x makes the equation below true?</p> $\frac{x+15}{2} = 10$ <p>A) 5 B) 10 C) 16 D) 17</p>
<p>5) Solve for the variable.</p> $7y - 1 = 55$	<p>6) Simplify:</p> $5x + 7 + x - 9x$