

# Algebra

## A026-Verbal to Algebraic Equations



Write an equation or inequality to represent each sentence.

<p><b>1.</b> Seven more than <math>x</math> is nine.</p> <p>A) <math>7x = 9</math> B) <math>x + 7 = 9</math> C) <math>x - 9 = 7</math> D) <math>7 &gt; x = 9</math></p>	<p><b>6.</b> Seven less than the quotient of <math>x</math> and five is greater than 8.</p> <p>A) <math>\frac{x}{5} - 7 + 8</math> B) <math>\frac{x}{5} - 7 = 8</math> C) <math>7 - \frac{x}{5} &gt; 8</math> D) <math>\frac{x}{5} - 7 &gt; 8</math></p>
<p><b>2.</b> Eight less than <math>x</math> is 14.</p> <p>A) <math>8 - x = 14</math> B) <math>8 &lt; x = 12</math> C) <math>x - 8 = 14</math> D) <math>\frac{8}{x} = 14</math></p>	<p><b>7.</b> Nine greater than the product of three and <math>x</math> is 12.</p> <p>A) <math>3x + 9 = 12</math> B) <math>9 &gt; 3x = 12</math> C) <math>9 + 3x &gt; 12</math> D) <math>27x = 12</math></p>
<p><b>3.</b> Four times <math>x</math> is 24.</p> <p>A) <math>4x = 24</math> B) <math>4 + x = 24</math> C) <math>\frac{4}{x} = 24</math> D) <math>4(4x) = 24</math></p>	<p><b>8.</b> The product of five and <math>x</math> is 3 less than <math>x</math>.</p> <p>A) <math>5(x - 3) &lt; x</math> B) <math>5x &lt; 3x</math> C) <math>5x = 3 - x</math> D) <math>5x = x - 3</math></p>
<p><b>4.</b> The quotient of <math>x</math> and six is 3.</p> <p>A) <math>\frac{x}{6} = 3</math> B) <math>\frac{6}{x} = 3</math> C) <math>6x = 3</math> D) <math>x - 6 = 3</math></p>	<p><b>9.</b> The sum of 12 and <math>x</math> is equal to the product of 5 and <math>x</math>.</p> <p>A) <math>12 + x = 5x</math> B) <math>12 + x = \frac{5}{x}</math> C) <math>12 + x = 5 + x</math> D) <math>12x = 5 + x</math></p>
<p><b>5.</b> Eight more than the product of two and <math>x</math> is 26.</p> <p>A) <math>2x + 8 = 26</math> B) <math>2(x + 8) = 26</math> C) <math>x(2 + 8) = 26</math> D) <math>(x + 2) + 8 = 26</math></p>	<p><b>10.</b> Six greater than the quotient of <math>x</math> and seven is nine more than <math>x</math>.</p> <p>A) <math>7x + 6 = x + 9</math> B) <math>\frac{x}{7} + 6 = x + 9</math> C) <math>6 &gt; \frac{x}{7} = 9 + x</math> D) <math>6 &gt; 7x + 9 &gt; x</math></p>