



# Puzzle Time

## Did You Hear About The Centipede That Was Late For School?

A	B	C	D	E	F
G	H	I			

Complete each exercise. Find the answer in the answer column. Write the word under the answer in the box containing the exercise letter.

<p><math>(-2, -3, 3)</math></p> <p><b>WAS</b></p>	<p><b>Solve the system using the elimination method.</b></p> <p><b>A.</b> <math>-2x - 6y - 2z = -2</math>  <math>3x + 2y + 5z = 7</math>  <math>-3x - 3y + 3z = 9</math></p> <p><b>B.</b> <math>-x - 5y - 5z = 2</math>  <math>4x - 5y + 4z = 19</math>  <math>x + 5y - z = -20</math></p>	<p>infinite solutions</p> <p><b>PIGGY"</b></p>
<p><math>(-5, 4, -3)</math></p> <p><b>LITTLE</b></p>	<p><b>C.</b> <math>4x - 4y + 4z = -4</math>  <math>4x + y - 2z = 5</math>  <math>-3x - 3y - 4z = -16</math></p>	<p>no solution</p> <p><b>"THIS</b></p>
<p><math>(1, 3, 1)</math></p> <p><b>PLAYING</b></p>	<p><b>Solve the system using the substitution method.</b></p> <p><b>D.</b> <math>5x + 4y - 6z = -24</math>  <math>-2y + 2z = 0</math>  <math>y - z = 2</math></p> <p><b>E.</b> <math>-4x + 2z = 14</math>  <math>-x + y - z = 12</math>  <math>-2x - 4z = 22</math></p>	<p><math>(-1, 0, 2)</math></p> <p><b>HE</b></p>
<p><math>(5, -1, -4)</math></p> <p><b>WITH</b></p>	<p><b>F.</b> <math>6x - 9y + z = -12</math>  <math>2x - 3y - z = -4</math>  <math>-8x + 12y = 16</math></p>	<p><math>(1, 4, -2)</math></p> <p><b>HIS</b></p>
<p><math>(2, -1, 0)</math></p> <p><b>BROTHER</b></p>	<p><b>Solve the system using the method of your choice.</b></p> <p><b>G.</b> <math>5x - 4y + 2z = 21</math>  <math>-x - 5y + 6z = -24</math>  <math>-x - 4y + 5z = -21</math></p> <p><b>H.</b> <math>4x - 3y + z = -10</math>  <math>2x + y + 3z = 0</math>  <math>-x + 2y - 5z = 17</math></p> <p><b>I.</b> <math>4x + 2y + z = 6</math>  <math>x - y - 3z = 3</math>  <math>-x + 5y - z = -7</math></p>	