



## Puzzle Time

### Why Did The Student Eat His Homework?

A	B	C	D	E	F
G	H	I	J		

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

(-4, 4) STUDENT	<p><b>Solve the system of linear equations by graphing.</b></p> <p><b>A.</b> <math>y = x</math> <math>y = -x</math></p> <p><b>B.</b> <math>y = x + 1</math> <math>y = -x - 3</math></p> <p><b>C.</b> <math>y = 2x</math> <math>y = 4x + 2</math></p> <p><b>D.</b> <math>y = -4x + 2</math> <math>y = 2x + 2</math></p> <p><b>E.</b> <math>y = -\frac{1}{4}x + \frac{3}{4}</math> <math>y = \frac{1}{4}x - \frac{3}{4}</math></p> <p><b>F.</b> <math>y = \frac{1}{2}x - 1</math> <math>y = -x + 2</math></p> <p><b>G.</b> <math>x + y = 3</math> <math>y = x - 1</math></p> <p><b>H.</b> <math>4x + y = 12</math> <math>y = 4x + 4</math></p> <p><b>I.</b> <math>-x + y = -3</math> <math>4x + y = 2</math></p> <p><b>J.</b> At a grocery store, Candy buys 2 cantaloupes at <math>x</math> dollars each and 1 watermelon at <math>y</math> dollars. Her total bill is \$9. Chip goes to the same grocery store and buys 1 cantaloupe at <math>x</math> dollars and 1 watermelon at <math>y</math> dollars. His total bill is \$6. Write and solve a system of linear equations by graphing to find the cost <math>x</math> of a cantaloupe and the cost <math>y</math> of a watermelon.</p>	(-1, -2) TOLD
(0, 0) THE		(1, -2) OF
(1, 8) PIECE		(5, 0) HERSELF
(-2, 1) DOG		(2, 0) WAS
(3, 0) IT		(8, 1) ATE
(5, -3) HER		(2, 1) A
(3, 3) CAKE		(0, -6) HOMEWORK
(-3, 5) ICING		(-2, -1) TEACHER
(0, 2) HIM		(7, 7) SAID