· Solving Systems of Equations with ELIMINATION 3

Big Ideas

*Linear equations without a dependent variable are most readily expressed in standard form: ax + by = c

*Elimination is the most direct way to solve a system of equations in standard form.

Example:

Ray sells both pizza and cheesy bread. In one day he sold 33 items for a total of \$309, but he forgot how many of each item he sold (he was supposed to keep track). Pizza sells for \$11 each and cheesy bread is \$5 each.

a. Write and solve a system of equations to represent this situation.

b. Number of Pizza sold:

Number of Cheesy Bread sold: