

## Linear System Practice

1. Solve each linear system.

a)  $3x + 5y = 4$   
 $8x + y = 23$

b)  $2x - 5y = -21$   
 $3x + 2y = 16$

2. Two slices of pizza and one pop costs \$6.00. Three slices of pizza and two pop costs \$9.75. How much does one slice of pizza cost?

3. Your school is hosting the District 10 Volleyball Championship. They are charging \$5 for adults and \$3 for students. A total of 350 people attend the Championship. If the revenues are \$1350, how many students attended the game?

## Solving Linear Systems Practice

1. Use **substitution** to solve the following linear systems.

a)  $3x - 5y = 16$

$$x = 2y + 6$$

b)  $4x - y = 8$

$$2x + 3y = -10$$

c)  $3x + 6y = 6$

$$5x + 8y = 4$$

2. Use **elimination** to solve the following linear systems.

a)  $3x + 2y = 12$

$$4x - 2y = 44$$

b)  $4x + 3y = 8$

$$2x - 2y = 4$$

c)  $2x + 8y = 2$

$$5x - 10y = 35$$

Answers: 1a) (2, -2)

b) (1, -4)

c) (-4, 3)

2. a) (8, -6)

b) (2, 0)

c) (5, -1)