

## Solving Linear Systems using Substitution: Part 2

1. Solve the following equations using substitution.

a)  $3x + y = 10$

$$2x - 4y = 16$$

b)  $5x - 2y = -4$

$$x - 3y = 7$$

c)  $6x - y = 2$

$$3x + 2y = 26$$

d)  $4x + 2y = 8$

$$3x - 5y = -7$$

## Practice

Solve the following linear systems.

a)  $5x + y = 14$   
 $2x - 3y = 9$

b)  $4x + 4y = -12$   
 $x - 3y = -7$

c)  $3x + 5y = 25$   
 $2x - y = 8$

d)  $3x + 6y = 12$   
 $2x + 2y = 2$

e)  $2x + 4y = 204$   
 $5x + 4y = 210$

f)  $6x - 3y = 9$   
 $4x - 5y = 3$

Answers: a) (3,-1)    b) (-4, 1)    c) (5,2)    d) (-2,3)    e)(2, 50)    f (2, 1)