

# MasterMath

## Solving Systems of Equations

Name \_\_\_\_\_  
Date \_\_\_\_\_

1.

Equation 1	Equation 2	Find an ordered pair that solves this pair of equations
$x + y = 12$	$y = x + 2$	
$2x + 3 = y$	$y = x + 2$	
$5x = 2y + 4$	$y = x + 4$	
$x - y = 8$	$x + y = 16$	
$3y - 2x = 5$	$2x + y = 7$	
$3y + 50 = x$	$x - y = 10$	
$x - 2y = 16$	$x + y = 4$	
$2x + y = 8$	$y = x + 2$	
$x - 3y = 5$	$y = x + 2$	
$x + y - 6 = 12$	$x = y - 1$	
$4x - 6 = y$	$y - x = 12$	
$2x + 5y = 20$	$y = x + 3$	
$x + y - 4 = 8$	$y = x + 2$	

2. Margie's Kennel has 21 animals; some are cats and the rest are dogs. She has 3 more dogs than cats. How many cats does she have?




3. You have 8 coins, and all are either nickles or pennies. You have a total of 16 cents. How many of each coin do you have?

4. Graph these two equations to solve for x:  $y = x + 6$ ;  $y = -x + 2$

