Topic 3.2		Name:
Solving Systems of Equations Algebraically		Date:
Homework		
Solve each system of e	equations by using substitution.	
1. $y = 3x + 4$	2. $2x + 3y = 2$	3. $5x + 6y = 18$
4x + 2y = 18	x - 3y = -17	12y - 4x = 8

4. 
$$3x - 4y = -27$$
  
 $2x + y = -7$ 
5.  $x = 4y - 10$   
 $5x + 3y = -4$ 
6.  $\frac{3}{4}x - y = 0$   
 $\frac{y}{3} + \frac{x}{2} = 6$ 

## Use elimination to solve the systems of equations.

7. $x - 2y = 4$	8. $x + 3y = 18$	9. $4x - 3y = 22$
y = x - 2	-x + 2y = 7	2x + 8y = 30

10. 
$$\frac{1}{3}x + y = 1$$
 11.  $y = \frac{x}{2}$ 
 12.  $\frac{2}{7}x - \frac{4}{3}y = 16$ 
 $-4x + y = 1$ 
 $2y = x + 4$ 
 $\frac{4}{7}x + \frac{8}{3}y = -16$