

Name \_\_\_\_\_

Mrs. Roubos

Date \_\_\_\_\_

8A Period \_\_\_\_\_

Do Now**\*Regents Questions\***

- 1) A system of equations is given below.

$$x + 2y = 5$$

$$2x + y = 4$$

Which system of equations does *not* have the same solution?

(1)  $3x + 6y = 15$   
 $2x + y = 4$

(3)  $x + 2y = 5$   
 $6x + 3y = 12$

(2)  $4x + 8y = 20$   
 $2x + y = 4$

(4)  $x + 2y = 5$   
 $4x + 2y = 12$

- 2) Which pair of equations could *not* be used to solve the following equations for  $x$  and  $y$ ?

$$4x + 2y = 22$$

$$-2x + 2y = -8$$

(1)  $4x + 2y = 22$   
 $2x - 2y = 8$

(3)  $12x + 6y = 66$   
 $6x - 6y = 24$

(2)  $4x + 2y = 22$   
 $-4x + 4y = -16$

(4)  $8x + 4y = 44$   
 $-8x + 8y = -8$