

Name \_\_\_\_\_

Mrs. Roubos

Date \_\_\_\_\_

8R Period \_\_\_\_\_

Do Now

1) How many solutions does the equation have :

$$3x + 20 = 3(x + 4) + 8$$

a) 0    b) 1    c) 2    d) infinitely many

2) A group of students are going on a field trip. Those that have a coupon will pay \$30 and those that don't will pay \$40. The school collected \$1500 for the 60 students. Which systems of linear equations models this situation?

A)  $30x + 40y = 50$   
 $x + y = 1500$

B)  $30x + 40y = 1500$   
 $x + y = 60$

C)  $30x + y = 60$   
 $40x + y = 1500$

D)  $30x + y = 1500$   
 $x + 40y = 60$

3)  $y = 2x + 10$   
 $y = 2x - 6$

The equations represent a pair of \_\_\_\_\_ lines.

Because they are \_\_\_\_\_ they have \_\_\_\_\_ solutions.