**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CC Algebra**

**Review for System of Equations Quiz**

1. Which ordered pair is the solution to the system of equations



1. (3, -2) B. (2, -3) C. (2, 2) D. (-1, 3)
2. Pearl’s work for solving this system of equations is shown here. All her work is correct. Which method is she using?

2x + (–5 – x) = 20

 x – 5 = 20

 +5 +5

 x = 25

 y = -5 – (25)

 y = -30

 System: y = –5 – x Pearl’s Solution:

 2x + y = 20

 A. Equal Values method

 B. Substitution

 C. Elimination

 D. Multiplication and then Elimination

1. Edith is using substitution to solve the system of equations below. What should the first step be?



 A. 

 B. 

 C. 

 D. 

 4. Mrs. Goolsby wants to use Elimination to solve the system of equations below. Choose the best first step.



 A. Multiply the first equation by 2.

 B. Multiply the second equation by 3.

 C. Multiply the first equation by 3.

 D. Multiply the second equation by 2.

Solve each of the following systems graphically.

1. y = 2x – 1 6. y = x + 3

 y = -x + 5 -x + 2y = -6

1. 9x + 3y = 6 8. 8x + 4y = -20

 y = -3x + 2 6x + 6y = -18

 9. Solve each of the following systems algebraically and check.

|  |  |
| --- | --- |
| a. 4x + y = 19 y = 2x - 5 | b. x = 3y + 3 -3x + y = 7 |
| c. y = 5x – 12 y = -2x + 16 | d. 3x + 4y = 2 2x + 7y = -3 |
| e. y = 4x – 11 4x – y = 11  | f. x – y = -2 -2x + 2y = 2 |
| g. x + 3y = 7 -4x – 8y = -20 | h. 3x – 4y = 2 -2x + 6y = -18 |
| i. -4x – 2y = -12 2x + y = 6 | j. 2x + y = 7 y = -2x - 6 |