

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Systems Pretest

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- 1 Which is not a method for solving a system of equations?  
A. Graphing  
B. Substitution  
C. Fundamental Theorem of Arithmetic  
D. Linear Combination
  
- 2 If a system of equations has no solution, what does the graph look like?  
A. Intersecting lines  
B. Parallel Lines  
C. Skew Lines  
D. Same Line
  
- 3 Solve the system of equations using the graphing method. What does the graph look like?  $y=x$   $y=(-2/3)x + 5$   
A. 2 lines intersecting at (3,3)  
B. 2 lines intersecting at (-3,-3)  
C. 2 lines intersecting at (2,2)  
D. 2 lines intersecting at (-2,-2)
  
- 4 Solve this system of equations:  $x=2y-8$   $4x+y=13$   
A. (2,-5)  
B. (-2,5)  
C. (2,5)  
D. (-2,-5)
  
- 5 What is the correct first step to solve this system of equations?  $4x-3y=-10$   $2x+3y=4$   
A. Add the 2 equations together  
B. Subtract the 2 equations  
C. Multiply the second equation by 3  
D. Divide the first equations by 4
  
- 6 Select the coordinate point that is a solution to this system of equations.  $2x+y=7$   $3x-4y=5$   
A. (-1,9)  
B. (-3,-1)  
C. (7,4)  
D. (3,1)

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When using substitution to solve this system of equations, what is the result of the first step?  $x=6y+3$   $x+2y=5$

- A.  $x+2(6x+3)=5$
- B.  $x+2(6y+3)=5$
- C.  $6y+3+2y=5$
- D.  $6x+3+2y=5$

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If linear combination is the method used to solve this system of equations, what is the result of the first step?  $x+y=6$   $x-y=2$

- A.  $2y=8$
- B.  $2x=8$
- C.  $x+y=8$
- D.  $x-y=8$