

Name: _____

Date: _____

Systems Pretest

- 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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- 7 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. $6x+3+2y=5$
- 8 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. $x-y=8$