Name: _____ Period: _____ Date: _____

Solving Systems of Equations Algebraically (Solving Systems of Equations by Substitution and Elimination) Exit Quiz

1. Solve the system of equations $x = 12 - 8y$, $5x - 2y = 39$

   a. (4,1)
   b. (-4,2)
   c. (-12,3)
   d. $(8, \frac{1}{2})$

2. Consider -2x + 7y = 4 is (i) & -3x + 5y = -5 is (ii) then which step is correct to eliminate x:

   a. Multiply eq i by 3 and eq ii by 2 and subtract the equations
   b. Multiply eq i by 3 and eq ii by 2 and add the equations
   c. Multiply eq i by 5 and eq ii by 7 and subtract the equations
   d. Multiply eq i by 5 and eq ii by 7 and add the equations

3. The solution to the system $5x - y = 5$ *and* $3x + 2y = 29$ is:

   a. x=12 y=3
   b. x=1 y=4
   c. x=-3 y=24
   d. x=3 y=10

4. The solution to the system $4x - 5y = 17$ *and* $x - 5y = 8$ is:

   a. x=3 y=-1
   b. x=2 y=3
   c. x=4 y=1
   d. x=5 y=4

5. The solution to the system $3x - 2y = 13$ and $2x + 2y = 0$ is:

   a. x=5 y=0
   b. x=4 y=14
   c. x=2.6 y=-2.6
   d. None

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