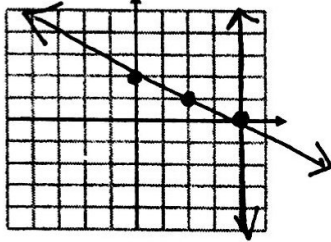


**LT #1: Solving Systems Graphically**

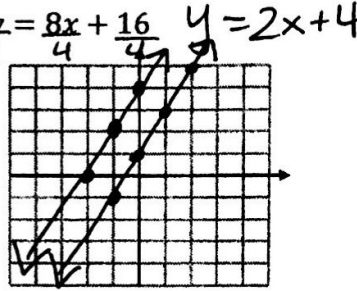
Use the graph to solve each linear system, then circle the correct classifications of the solution (inconsistent, consistent dependent, or consistent independent). (4 pts each) Write answer in order pairs.

1.  $x = 4$   
 $2x + 4y = 8$

$y = -2x + 8$   
 $y = -\frac{1}{2}x + 2$



2.  $y = 2x + 1$   
 $\frac{4y}{4} = \frac{8x + 16}{4}$



1. (4, 0)

Consistent or Inconsistent

Dependent or Independent

2. No solution

Consistent or Inconsistent

Dependent or Independent

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**LT #2: Solving Systems Algebraically**

Solve the system using any algebraic method. (4 pts each)

3.  $y = 3x$   
 $y = -x + 4$

$3x = -x + 4$   
 $4x = 4$   
 $x = 1$

$y = 3(1)$   
 $y = 3$

4.  $(5x + 9y) = (-6) \cdot 3$   
 $-5(3x + 4y) = (-2) \cdot -5$   
 $15x + 27y = -18$   
 $-15x - 20y = -10$   

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 $7y = -28$

$y = -4$

$5x + 9(-4) = -6$

$5x - 36 = -6$

$5x = 30$

$x = 6$

5.  $x + y = 1$   
 $y = -x + 3$

~~$x + -x + 3 = 1$~~   
 $3 \neq 1$

3. (1, 3)

4. (6, -4)

5. No solution

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