Name _____ Date _____

8A; Algebra 1 Period _____

Homework #63b

1) Are there any ordered pairs that satisfy both the equations $2x + y = 7$ and $2x = 5 - y$?

2) Are there any ordered pairs that satisfy the equation $y - x = 4$, but **do not** satisfy the equation $2y = 8 + 2x$? Explain your answer.

3) Without graphing, determine the type of system that is given and the number of solutions it has

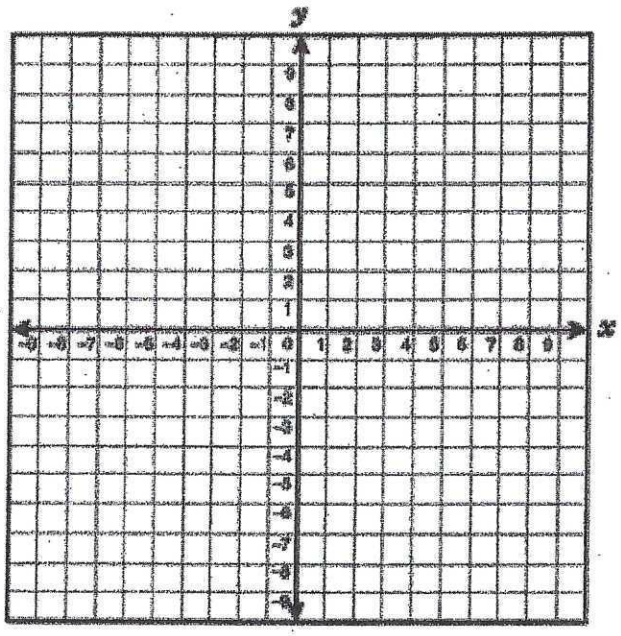
a) $y = 2x + 5$
$y = 2x - 1$

b) $y = -x - 1$
$y = -1 - x$

c) $y = 2x + 5$
$y = -2x + 5$

4) Solve each system by graphing.

a) $-3x + y = 2$
$y = -x - 2$



Solution: _____

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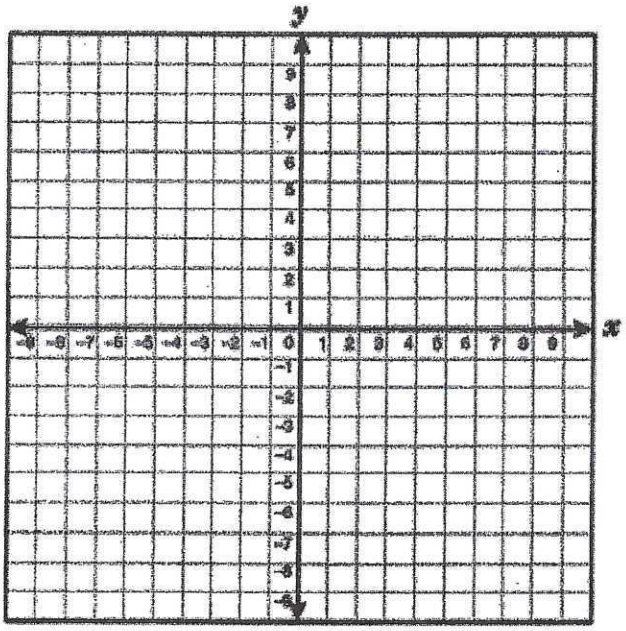
b) $2y + 3x = 6$
$4y + 6x = -12$



Solution: _____

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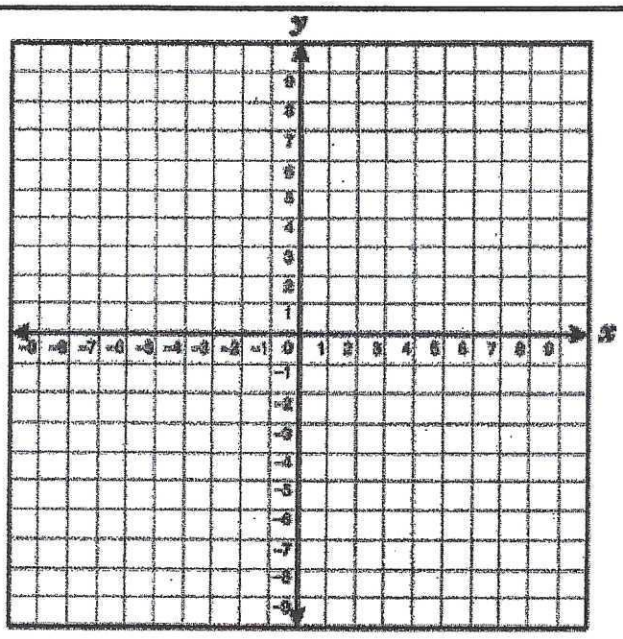
c) $2x - y = -7$
$y = 2x + 7$



Solution: _____