Solving Systems by Inspection

L4-2 Solving Sys

Date _____

Analyze the following systems and determine the solution for each system. Justify your steps for each system.

	1
x + y = 3	2x - 4y = -8
x + 3y = 9	2x - 5y = -10
3x - 4y = 6	x - y = 7
x - 4y = 2	x + y = 9
5x + γ = -1	2x + 4y = 12
10x + 2y = -2	2x - y = 22
-2y + x = 4	10x + 3y = 13
-3γ + x = 6	10x - y = 9
4y - x = 0	5x + 4y = 14
3y - x = 0	3x + 4y = 10

Solving Systems by Inspection

ANSWER KEY

x + y = 3	2x - 4y = -8
x + 3y = 9	2x - 5y = -10
(0,3)	(0,2)
3x - 4y = 6	x - y = 7
x - 4y = 2	x + y = 9
(2,0)	(8,1)
5x + y = -1	2x + 4y = 12
10x + 2y = -2	2x - y = 22
(All real #s)	(10,-2)
(All real #s) -2y + x = 4	(10,-2) 10x + 3y = 13
(All real #s) -2y + x = 4 -3y + x = 6	(10,-2) 10x + 3y = 13 10x - y = 9
(All real #s) -2y + x = 4 -3y + x = 6	(10,-2) 10x + 3y = 13 10x - y = 9
(All real #s) -2y + x = 4 -3y + x = 6 (0,-2)	(10,-2) 10x + 3y = 13 10x - y = 9 (1,1)
(All real #s) -2y + x = 4 -3y + x = 6 (0,-2) 4y - x = 0	(10,-2) 10x + 3y = 13 10x - y = 9 (1,1) 5x + 4y = 14
(All real #s) -2y + x = 4 -3y + x = 6 (0,-2) 4y - x = 0 3y - x = 0	(10,-2) 10x + 3y = 13 10x - y = 9 (1,1) 5x + 4y = 14 3x + 4y = 10
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(All real #s) -2y + x = 4 -3y + x = 6 (0,-2) 4y - x = 0 3y - x = 0	(10,-2) 10x + 3y = 13 10x - y = 9 (1,1) 5x + 4y = 14 3x + 4y = 10 (2.1)