

Name _____ Core _____ Date _____

Practice Problems #16

CL 5-62. Solve each equation. Check your solution.

a. $3(2x - 1) + 7 = -44$

b. $6(2x - 5) = -(x + 4)$

CL 5-63. Solve for the indicated variable. (Isolate that variable to one side and put everything else on the other side)

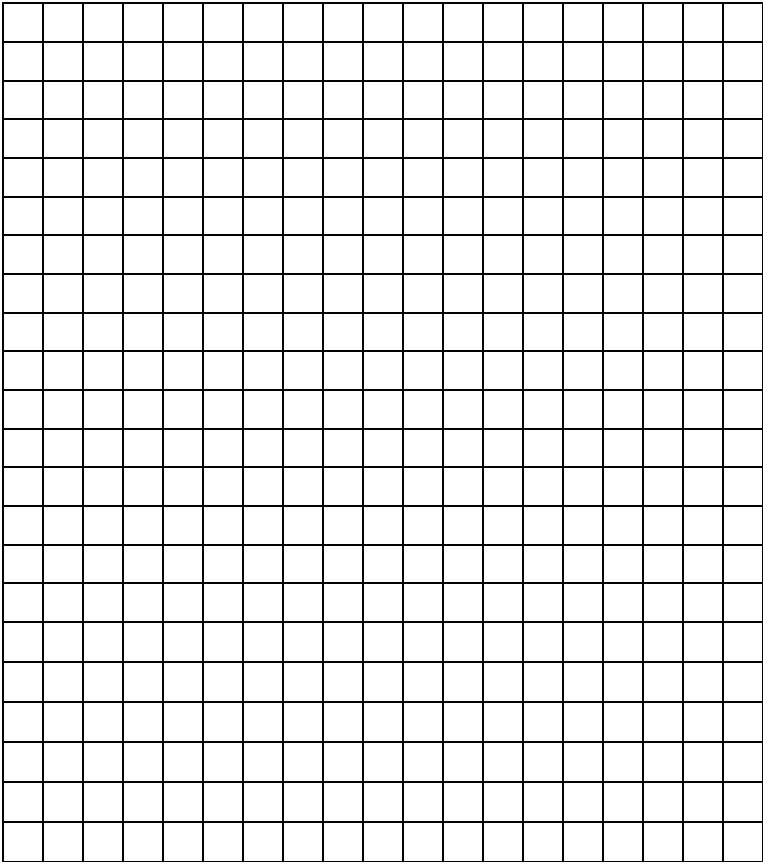
a. $2x + 5y = 10$ (solve for y)

b. $3(x + 2) = y - 6$ (solve for x)

CL 5-66. A. Solve the system of equations by graphing AND using the Equal Values method

$y = 7x - 5$ and $y = -2x + 13$

Graph



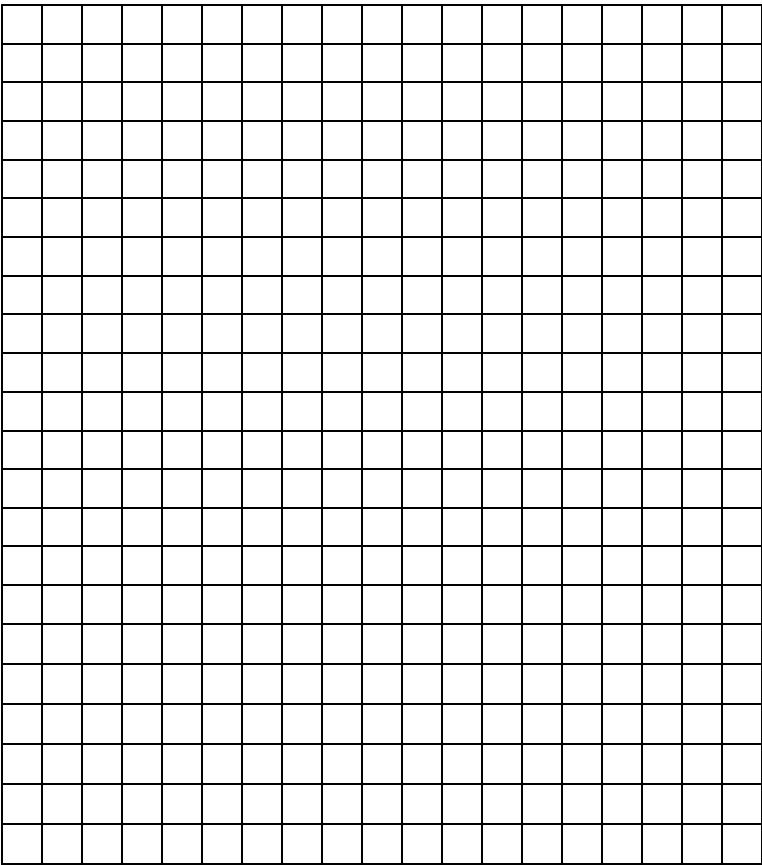
Equal Values Method

Point of Intersection (,)

CL 5-66. b. Solve the system of equations by graphing AND using the Equal Values method

$y = 3x - 1$ and $y = 3x + 2$

Graph



Equal Values Method

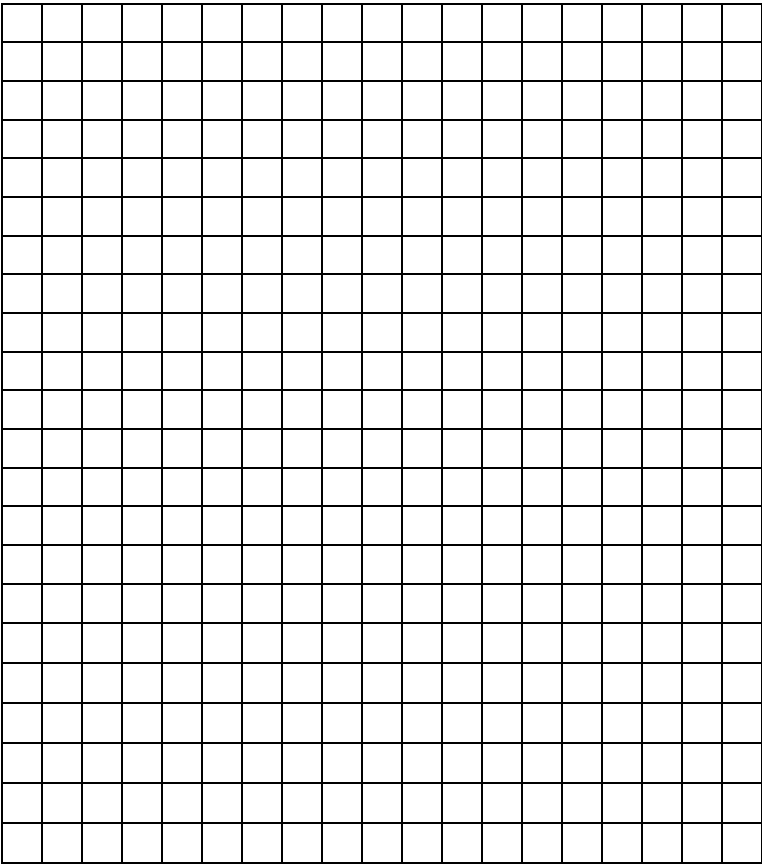
Point of Intersection (,)

CL 5-67. To rent a jet ski at Sam’s costs \$25 plus \$3 per hour. At Claire’s, it costs \$5 plus \$8 per hour. At how many hours will the rental cost at both shops be equal?

Sam’s Equation:

Claire’s Equation:

Graph



Equal Values Method

Point of Intersection (,)

Put the answer into the context of the problem: “ In _____hours, the cost of the rentals will be the same,
at \$ _____.