Matrices

Name:_____ Date:_____

Cramer's Rules

1

$x + 2y = 1$

$4x + y = 8$

_____

2

$5x + y = 4$

$2x + 2y = 5$

_____

3

$3x + 4y = 2$

$9x + 8y = 9$

_____

4

$6x + 2y = 10$

$4x + 5y = 8$

_____

5

$5x + 3y = 6$

$2x + 2y = 10$

_____

6

$5x + 14y = 7$

$2x + 10y = 5$

_____

7

$x + 3y = 10$

$7x + 5y = 14$

_____

8

$4x + 11y = 9$

$2x + 12y = 6$

_____

9

$2x + 13y = 20$

$x + 10y = 14$

_____

10

$2x + 7y = 12$

$5x + 2y = 10$

_____

Matrices

Name:_____ Date:_____

Cramer's Rules

1

$x + 2y = 1$

$4x + y = 8$

$\left(\frac{15}{7}, \frac{-4}{7}\right)$

2

$5x + y = 4$

$2x + 2y = 5$

$\left(\frac{3}{8}, \frac{17}{8}\right)$

3

$3x + 4y = 2$

$9x + 8y = 9$

$\left(\frac{5}{3}, \frac{-3}{4}\right)$

4

$6x + 2y = 10$

$4x + 5y = 8$

$\left(\frac{17}{11}, \frac{4}{11}\right)$

5

$5x + 3y = 6$

$2x + 2y = 10$

$\left(\frac{-9}{2}, \frac{19}{2}\right)$

6

$5x + 14y = 7$

$2x + 10y = 5$

$\left(0, \frac{1}{2}\right)$

7

$x + 3y = 10$

$7x + 5y = 14$

$\left(\frac{-1}{2}, \frac{7}{2}\right)$

8

$4x + 11y = 9$

$2x + 12y = 6$

$\left(\frac{21}{13}, \frac{3}{13}\right)$

9

$2x + 13y = 20$

$x + 10y = 14$

$\left(\frac{18}{7}, \frac{8}{7}\right)$

10

$2x + 7y = 12$

$5x + 2y = 10$

$\left(\frac{46}{31}, \frac{40}{31}\right)$