

Name : _____

Systems of Equations - Cramer's Rule

Sheet 3

Solve each system of equations using Cramer's rule.

1) $5b = -9c + 32$
 $2c = 26 - 3b$

2) $2v = -8 - 6u$
 $44 = 3u + 7v$

3) $5m = -26 - n$
 $-2n + 3m = -39$

5) $-3r + 3s - 6 = 0$
 $8s - 9r + 5 = 0$

7) $8c = 11 + 5d$
 $2d - 4c = -5$

8) $8x - 7y = -40$
 $10y = 3x + 15$

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Systems of Equations - Cramer's Rule

Solve each system of equations using Cramer's rule.

$$\begin{aligned} 1) \quad & 5b = -9c + 32 \\ & 2c = 26 - 3b \end{aligned}$$

(10, -2)

$$\begin{aligned} 2) \quad & 2v = -8 - 6u \\ & 44 = 3u + 7v \end{aligned}$$

(-4, 8)

$$\begin{aligned} 3) \quad & 5m = -26 - n \\ & -2n + 3m = -39 \end{aligned}$$

(-7, 9)

$$\begin{aligned} 5) \quad & -3r + 3s - 6 = 0 \\ & 8s - 9r + 5 = 0 \end{aligned}$$

(21, 23)

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$$\begin{aligned} 7) \quad & 8c = 11 + 5d \\ & 2d - 4c = -5 \end{aligned}$$

($\frac{3}{4}$, -1)

$$\begin{aligned} 8) \quad & 8x - 7y = -40 \\ & 10y = 3x + 15 \end{aligned}$$

(-5, 0)