

Name : _____

Systems of Equations - Cramer's Rule

Sheet 1

Solve each system of equations using Cramer's rule.

1) $5x + 2y = 40$
 $x - 4y = -36$

2) $7b = -3 - 2a$
 $8b + 5a = 21$

3) $3c = 30 + d$
 $d = 50 - 7c$

5) $-2s + 9t = 32$
 $39 = -5t - 7s$

7) $7p = -24 + 2q$
 $-8p = 12 - q$

8) $-19 = 4r - 5s$
 $5r = s - 50$

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Systems of Equations - Cramer's Rule

Solve each system of equations using Cramer's rule.

$$\begin{aligned} 1) \quad & 5x + 2y = 40 \\ & x - 4y = -36 \end{aligned}$$

(4, 10)

$$\begin{aligned} 2) \quad & 7b = -3 - 2a \\ & 8b + 5a = 21 \end{aligned}$$

(9, -3)

$$\begin{aligned} 3) \quad & 3c = 30 + d \\ & d = 50 - 7c \end{aligned}$$

(8, -6)

$$\begin{aligned} 5) \quad & -2s + 9t = 32 \\ & 39 = -5t - 7s \end{aligned}$$

(-7, 2)

$$\begin{aligned} 7) \quad & 7p = -24 + 2q \\ & -8p = 12 - q \end{aligned}$$

(0, 12)

$$\begin{aligned} 8) \quad & -19 = 4r - 5s \\ & 5r = s - 50 \end{aligned}$$

(-11, -5)**PREVIEW**Gain complete access to the largest
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