

Name : _____

Systems of Equations - Cross Multiplication Method

Sheet 2

Solve each system of equations using cross multiplication method.

1) $-m + 5n = 9$
 $-5n - 3m = 17$

2) $2b - 7c = 18$
 $24 = 9c - 4b$

3) $-4u + 6v = 31$
 $u = 16 - 8v$

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5) $7c + 3d = 19$
 $-34 = -5c - 4d$

7) $q = -5 - 8p$
 $-6p - q = 9$

8) $5 + 5x - 4y = 0$
 $-9x + 6y + 15 = 0$

Systems of Equations - Cross Multiplication Method

Solve each system of equations using cross multiplication method.

$$\begin{aligned} 1) \quad & -m + 5n = 9 \\ & -5n - 3m = 17 \end{aligned}$$

$$\underline{\left(-\frac{13}{2}, \frac{1}{2}\right)}$$

$$\begin{aligned} 2) \quad & 2b - 7c = 18 \\ & 24 = 9c - 4b \end{aligned}$$

$$\underline{(-33, -12)}$$

$$\begin{aligned} 3) \quad & -4u + 6v = 31 \\ & u = 16 - 8v \end{aligned}$$

$$\underline{\left(-4, \frac{5}{2}\right)}$$

$$\begin{aligned} 5) \quad & 7c + 3d = 19 \\ & -34 = -5c - 4d \end{aligned}$$

$$\underline{(-2, 11)}$$

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$$\begin{aligned} 7) \quad & q = -5 - 8p \\ & -6p - q = 9 \end{aligned}$$

$$\underline{(2, -21)}$$

$$\begin{aligned} 8) \quad & 5 + 5x - 4y = 0 \\ & -9x + 6y + 15 = 0 \end{aligned}$$

$$\underline{(15, 20)}$$