Name : _____

Systems of Equations

Use the best method to solve each system of equations.

1) $2a + b - 20 = 0$
$6a - 5b = 12$

2) $x = 9 + 3y$
$-9y = 31 - 5x$

3) $8t + u = -41$
$7t + 14 = -4u$

5) $6n = -3m + 8$
$5n = -2m + 10$

7) $8r - 7s = 13$
$-2s = -4 - r$

8) $4u + 5v - 35 = 0$
$4u + v - 15 = 0$

Name : _____

Answer key

Sheet 1

Systems of Equations

Use the best method to solve each system of equations.

1) $2a + b - 20 = 0$
$6a - 5b = 12$

(7, 6)

2) $x = 9 + 3y$
$-9y = 31 - 5x$

$\left(2, -\frac{7}{3}\right)$

3) $8t + u = -41$
$7t + 14 = -4u$

(–6, 7)

5) $6n = -3m + 8$
$5n = -2m + 10$

$\left(-\frac{20}{3}, \frac{14}{3}\right)$

7) $8r - 7s = 13$
$-2s = -4 - r$

(6, 5)

8) $4u + 5v - 35 = 0$
$4u + v - 15 = 0$

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