Name : _____

Systems of Equations - Elimination Method

L1S1

Solve each system of equations using elimination method.

1) $2x + 5y = 20$
$6x - 5y = 12$

2) $3p + 4q = -3$
$-p + 4q = -15$

3) $-7a + 3b = 15$
$7a - 6b = -3$

5) $5r + 8s = 3$
$4r + 8s = -4$

7) $m - 4n = 13$
$m - 6n = 12$

8) $3s + 7t = 18$
$3s - 4t = -48$

Name : _____

Answer key

L1S1

Systems of Equations - Elimination Method

Solve each system of equations using elimination method.

1) $2x + 5y = 20$
$6x - 5y = 12$

$\left(4, \frac{12}{5}\right)$

2) $3p + 4q = -3$
$-p + 4q = -15$

$(3, -3)$

3) $-7a + 3b = 15$
$7a - 6b = -3$

$\left(-\frac{27}{7}, -4\right)$

5) $5r + 8s = 3$
$4r + 8s = -4$

$(7, -4)$

7) $m - 4n = 13$
$m - 6n = 12$

$\left(15, \frac{1}{2}\right)$

8) $3s + 7t = 18$
$3s - 4t = -48$

$(-8, 6)$