Name: _____ Date: _____

Fresh Math

Algebra 1 - Unit 5 - Systems of Equations (Challenge)

1. $4x + 4y = -12$
   $7x + 9y = -21$

2. $12x + 12y = -68$
   $4x + 4y = -23$

3. $8x + 4y = 10$
   $4x - 3y = 2$

4. $11x + 12y = -158$
   $5x - 10y = -10$

5. $10x + 4y = 5$
   $9x - 3y = 18$

6. $3x + 9y = -85$
   $9x + 12y = -105$

7. $4x + 6y = -15$
   $3x - 6y = 10$

8. $4x + 11y = 73$
   $5x + 11y = 72$

Algebra 1 - Unit 5 - Systems of Equations (Challenge) - Answer Key

1. $4x + 4y = -12$
   $7x + 9y = -21$
   (-3, 0)

2. $12x + 12y = -68$
   $4x + 4y = -23$
   (-4.00, -1.67)

3. $8x + 4y = 10$
   $4x - 3y = 2$
   (0.95, 0.60)

4. $11x + 12y = -158$
   $5x - 10y = -10$
   (-10, -4)

5. $10x + 4y = 5$
   $9x - 3y = 18$
   (1.32, -2.05)

6. $3x + 9y = -85$
   $9x + 12y = -105$
   (1.67, -10.00)

7. $4x + 6y = -15$
   $3x - 6y = 10$
   (-0.71, -2.02)

8. $4x + 11y = 73$
   $5x + 11y = 72$
   (-1, 7)