Name: _____ Date: _____

Fresh Math

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

1. $8x + 9y = -47$
   $5x + 11y = -46$

2. $9x + 5y = 37$
   $5x - 8y = -1$

3. $4x + 4y = -34$
   $3x - 4y = -36$

4. $5x + 3y = 60$
   $7x + 6y = 102$

5. $11x + 8y = -24$
   $10x + 5y = -21$

6. $11x + 12y = -62$
   $7x + 6y = -28$

7. $4x + 7y = 5$
   $5x - 11y = -14$

8. $6x + 3y = 32$
   $5x + 4y = 33$

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

1. $8x + 9y = -47$
   $5x + 11y = -46$
   (-2.40, -3.09)

2. $9x + 5y = 37$
   $5x - 8y = -1$
   (3, 2)

3. $4x + 4y = -34$
   $3x - 4y = -36$
   (-10.00, 1.50)

4. $5x + 3y = 60$
   $7x + 6y = 102$
   (6, 10)

5. $11x + 8y = -24$
   $10x + 5y = -21$
   (-1.92, -0.36)

6. $11x + 12y = -62$
   $7x + 6y = -28$
   (2, -7)

7. $4x + 7y = 5$
   $5x - 11y = -14$
   (-0.54, 1.03)

8. $6x + 3y = 32$
   $5x + 4y = 33$
   (3.22, 4.22)