ID: 1

Name_____

Solving Systems by Substitution Homework

Date_____ Period____

Solve each system by substitution.

1) $y = 3x + 13$
   $y = -8x - 9$

2) $y = -2x - 13$
   $y = x - 4$

3) $y = 2x - 2$
   $y = x - 5$

4) $7x - y = 7$
   $y = -6x + 6$

5) $7x + 7y = 0$
   $y = 2x - 15$

6) $y = 3x - 14$
   $-2x + 7y = -22$

7) $-3x + 2y = 1$
   $2x + y = -3$

8) $x + 4y = -18$
   $4x + 5y = -17$

9) $y = 2$
$-4x + 3y = -2$

10) $4x - 3y = 0$
$y = 4$

11) $-7x - 7y = 0$
$y = -3x - 6$

12) $-7x + 4y = 20$
$y = -2$

13) $6x + 8y = 12$
$x + 4y = 10$

14) $-7x - 5y = -17$
$x - 8y = -15$

15) $y = 4x - 11$
$y = x - 2$

16) $y = 7x - 8$
$y = -3x + 2$

Keystone Algebra 1   Name_____

Solving Systems by Substitution Homework

Date_____ Period____

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1) $y = 3x + 13$
   $y = -8x - 9$

   $(-2, 7)$

2) $y = -2x - 13$
   $y = x - 4$

   $(-3, -7)$

3) $y = 2x - 2$
   $y = x - 5$

   $(-3, -8)$

4) $7x - y = 7$
   $y = -6x + 6$

   $(1, 0)$

5) $7x + 7y = 0$
   $y = 2x - 15$

   $(5, -5)$

6) $y = 3x - 14$
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7) $-3x + 2y = 1$
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$x - 8y = -15$

$(1, 2)$

15) $y = 4x - 11$
$y = x - 2$

$(3, 1)$

16) $y = 7x - 8$
$y = -3x + 2$

$(1, -1)$