SATPREP Name_____

Assignment: Simulteneous Eq

Date_____

Solve each system by elimination.

1) $4x - 4y = 12$
$x + 9y = -17$

2) $7x - 2y = 7$
$-14x + y = -14$

3) $5x - 8y = 10$
$7x - 4y = 14$

4) $-7x + 10y = -27$
$-14x + 2y = -18$

5) $-7x - 2y = -9$
$-6x - 5y = 12$

6) $-5x + 4y = -6$
$6x + 10y = 22$

7) $7x + 7y = 28$
$-4x + 8y = 20$

8) $-5x - 4y = 14$
$9x + 6y = -18$

Solve each system by substitution.

9) $-x - 3y = -17$
$x + 2y = 10$

10) $-x + y = 4$
$-5x + 6y = 24$

11) $y = 3x + 14$
$3x - 2y = -13$

12) $-2x - y = -13$
$y = -3x + 21$

13) $-15x - 6y = -8$
$5x + 2y = -3$

14) $-6x + 7y = 5$
$7x - 6y = -8$

Answers to Assignment: Simulteneous Eq

1) $(1, -2)$
2) $(1, 0)$
3) $(2, 0)$
4) $(1, -2)$
5) $(3, -6)$
6) $(2, 1)$
7) $(1, 3)$
8) $(2, -6)$
9) $(-4, 7)$
10) $(0, 4)$
11) $(-5, -1)$
12) $(8, -3)$
13) No solution
14) $(-2, -1)$