Systems - Special Cases

Date_____ Period____

Solve each system by elimination.

1) $2x - 2y = 12$
$-2x + 2y = -12$

2) $2x + 6y = 26$
$2x + 8y = 30$

3) $-3x + 6y = 1$
$6x - 12y = -12$

4) $-15x + y = 0$
$-5x + 10y = 0$

5) $-4x + 4y = -6$
$-12x + 12y = -12$

6) $7x - 4y = 6$
$21x - 12y = 18$

7) $-4x - 12y = -8$
$-2x - 6y = -4$

8) $-10x + 4y = 14$
$-5x + 3y = -2$

8th Math Name_____ ID: 1

Systems - Special Cases

Date_____ Period____

Solve each system by elimination.

1) $2x - 2y = 12$
$-2x + 2y = -12$
Infinite number of solutions

2) $2x + 6y = 26$
$2x + 8y = 30$
$(7, 2)$

3) $-3x + 6y = 1$
$6x - 12y = -12$
No solution

4) $-15x + y = 0$
$-5x + 10y = 0$
$(0, 0)$

5) $-4x + 4y = -6$
$-12x + 12y = -12$
No solution

6) $7x - 4y = 6$
$21x - 12y = 18$
Infinite number of solutions

7) $-4x - 12y = -8$
$-2x - 6y = -4$
Infinite number of solutions

8) $-10x + 4y = 14$
$-5x + 3y = -2$
$(-5, -9)$