

CA 4.2

Date _____ Period _____

Solve each system by substitution.

1) $6x + 2y = 18$
 $y = 2x - 6$

2) $4x + 5y = -14$
 $x + 5y = -11$

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

4) $-3x + 2y = 1$
 $9x - 6y = -3$

Solve each system by elimination.

5) $4x + 3y = 3.1$
 $3x + 4y = 3.2$

6) $-7x + 3y = 10$
 $6x - 2y = -8$

7) $-6x + 3y = 24$
 $-x + 3y = -1$

8) $4x + 4y = -6$
 $4x + 4y = 0$

Solve each system using any method.

9) $1 = -x - y$
 $2 = 4x + y$

10) $3 + y = x$
 $y - 4 = 8x$

Answers to CA 4.2 (ID: 1)

- 1) $(3, 0)$ 2) $(-1, -2)$ 3) $(-1, 3)$
4) Infinite number of solutions 5) $(0.4, 0.5)$ 6) $(-1, 1)$
7) $(-5, -2)$ 8) No solution 9) $(1, -2)$ 10) $(-1, -4)$