Algebra 1

Corrective Assignment 8.3 (Elimination)

Solve each system by elimination.

1) $4x + 3y = 12$
   $4x - 3y = -12$

2) $-x - 4y = -10$
   $x - 2y = -2$

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

4) $x - 4y = 11$
   $x - 3y = 9$

5) $4x - y = -23$
   $-3x + 3y = 24$

6) $-2x + 6y = -20$
   $-10x + 2y = 12$

7) $6x + 7y = 21$
$-4x - 3y = -19$

8) $5x - 6y = 21$
$6x + 5y = 13$

9) $-6x + 5y = 1$
$-5x - 2y = 7$

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

11) Is the point $(0, 0)$ a solution of the system of linear equations below?

2x - y = 0
4x - 2y = 2

12) Is the point $(1,5)$ a solution of the system of linear equations below?

4x + y = 9
2x + 3y = 17

Answers to Corrective Assignment 8.3 (Elimination)

1) $(0, 4)$

2) $(2, 2)$

3) $(3, 1)$

4) $(3, -2)$

5) $(-5, 3)$

6) $(-2, -4)$

7) $(7, -3)$

8) $(3, -1)$

9) $(-1, -1)$

10) $(-1, 0)$

11) No

12) Yes