Systems of Linear Equations

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

Solve using the substitution method.

1) $y = 3x - 5$
$2x + y = 5$ 1) _____
A) (1, 2) B) (1, 3) C) (2, 1) D) (1, –2)

Solve the system of equations using substitution.

2) $\begin{cases} x + 2y = 7 \\ y = 3x \end{cases}$ 2) _____
A) (–1, –3) B) (1, 3) C) (1, –3) D) (–1, 3)

Solve the system of equations by using substitution.

3) $\begin{cases} x = -7y - 2 \\ 3x + y = 34 \end{cases}$ 3) _____
A) x = 12, y = –2 B) x = 3, y = 7 C) x = –2, y = 3 D) x = 7, y = 12

Solve using the substitution method.

4) $x + y = 16$
$y = 5x - 2$ 4) _____
A) (4, 14) B) (2, 16) C) (3, 13) D) (13, 3)

Solve the system by the elimination method.

5) $5x - 7y = 13$
$-2x + 2y = -6$ 5) _____
A) (3, 2) B) (4, 2) C) (4, 1) D) no solution

Solve the system of equations by the elimination method.

6) $x - 4y = 26$
$-3x - 5y = 24$ 6) _____
A) no solution B) (2, -6) C) (1, -5) D) (–2, –5)

Solve the system by elimination.

7) $9x + 7y = 2$
$-3x - 4y = 1$ 7) _____
A) {1, –1) B) (0, 0) C) no solution D) (1, 0)

Solve the system of equations by the elimination method.

8) $x + 4y = 36$
$-5x + 3y = -19$ 8) _____
A) (7, 8) B) (–8, 8) C) no solution D) (8, 7)

Solve the system by the elimination method.

9) $9x + 7y = -3$
$4x + 3y = -2$ 9) _____
A) (–6, 7) B) (–5, 6) C) (–5, 7) D) no solution

Answer Key
Testname: SYSTEMS OF LINEAR EQUATIONS

1) C
2) B
3) A
4) C
5) C
6) B
7) A
8) D
9) B