## MODULE 5

## LESSON 2

## QUIZ

1. Question. Which of the following systems is independent?

I.

$$\begin{array}{ccccc} x & - & y & = & 7 \\ -x & + & y & = & 5 \end{array}$$

II.

$$\begin{array}{rclcrcr} 2x & + & 5y & = & 10 \\ \frac{1}{5}x & + & \frac{1}{2}y & = & 1 \end{array}$$

III.

$$\begin{array}{rcl} x & - & y & = & 6 \\ x & + & y & = & 20 \end{array}$$

IV.

$$\begin{array}{rcl} 2x & + & 4y & = & 12 \\ x & + & 2y & = & 6 \end{array}$$

- A. I
- B. II
- C. III
- D. IV

Go to answer 1

2. Question. Which of the following systems is dependent?

I.

$$\begin{array}{rcl} x & - & y & = & 5 \\ -x & + & y & = & -5 \end{array}$$

II.

$$\begin{array}{rclcrcr} 2x & + & 5y & = & 10 \\ \frac{1}{5}x & + & \frac{1}{2}y & = & 2 \end{array}$$

III.

$$\begin{array}{ccccc} x & - & y & = & 6 \\ x & + & y & = & 20 \end{array}$$

IV.

$$\begin{array}{rcl} 2x & + & 4y & = & 12 \\ x & + & y & = & 6 \end{array}$$

- A. I
- B. II
- C. III
- D. IV

Go to answer 2

3. Question. Which of the following systems is inconsistent?

I.

$$\begin{array}{rcl} x & - & y & = & 5 \\ -x & + & y & = & -5 \end{array}$$

II.

$$\begin{array}{rclcrcr} 2x & + & 5y & = & 10 \\ \frac{1}{5}x & + & \frac{1}{2}y & = & 1 \end{array}$$

III.

$$\begin{array}{ccccc} x & - & y & = & 6 \\ x & + & y & = & 20 \end{array}$$

IV.

$$\begin{array}{rcl} 2x & + & 4y & = & 12 \\ x & + & 2y & = & 4 \end{array}$$

- A. I
- B. II
- C. III
- D. IV

Go to answer 3

## ANSWERS

1. Answer to Question 1 is "C".

Go back  $1\,$ 

2. Answer to Question 2 is "A".

Go back  $2\,$ 

3. Answer to Question 3 is "D".

Go back 3