

MODULE 5

LESSON 2

QUIZ

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

I.

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

II.

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

III.

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

IV.

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

A. I

B. II

C. III

D. IV

Go to answer 1

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

I.

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

II.

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

III.

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

IV.

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

A. I

B. II

C. III

D. IV

Go to answer 2

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

I.

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

II.

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

III.

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

IV.

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

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