1. Question. Which of the following numbers is the value of x in the solution for the system

$$
\begin{aligned}
2x \quad - \quad 5y &= -1 \\
3y &= 15
\end{aligned}
$$

A. 0

B. 5

C. 12

D. 13

Go to answer 1

2. Question. Which of the following is the solution set for the system

$$
\begin{aligned}
2x \quad - \quad 6y &= -4 \\
0y &= 0
\end{aligned}
$$

A. $\{(3y - 2, y) \ : \ y \text{ is a real number}\}$

B. $\{(-2, 0)\}$

C. $\{(5y, y) \ : \ y \text{ is a real number}\}$

D. $\emptyset$

Go to answer 2

3. Question. Which of the following numbers is the value of x in the solution for the system

$$\begin{array}{rcrcrcr} 2x & + & y & + & 5z & = & 20 \\ & - & y & + & 3z & = & 10 \\ & & & & 2z & = & 6 \end{array}$$

A. 2

B. -1

C. 1

D. 3

Go to answer 3

4. Question. Which of the following is the solution set for the system

$$\begin{array}{rcrcrcr} 2x & + & y & + & 5z & = & 20 \\ & - & y & + & 3z & = & 10 \\ & & & & 0 & = & 0 \end{array}$$

A. $\{(-4z + 15, 3z - 10, z) \ : \ z \text{ is a real number}\}$

B. $\{(3z - 10, -4z + 15, z) \ : \ z \text{ is a real number}\}$

C. $\{(4z + 15, 3z + 10, z) \ : \ z \text{ is a real number}\}$

D. $\{(3z + 15, 4z + 10, z) \ : \ z \text{ is a real number}\}$

Go to answer 4

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

4. Answer to Question 3 is "A".

   Go back 4