

Instructions:

- Student responses to the following multiple-choice questions
- Student work answers using C.R.A.C. if provided by using the "Show Work" option following Questions 17, 18, and 19 for Question 2 questions
- The correct choice will always be 1 of the 4 provided. The correct answer is always the first choice.

1. The product of the polynomials is $(x^2 + 2x + 1)(x^2 + 3x + 2)$. Use the table to graph the function.

- a. None of these
- b. None of these

B

$$y = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$$

2. The product of the polynomials is $(x^2 + 2x + 1)(x^2 + 3x + 2)$. Use the table to graph the function.

- a. None of these
- b. None of these

B

$$y = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$$

3. Use the following operations for questions 4-6.

$$A = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix} \quad B = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$$

$$C = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$$

$$D = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix} \quad E = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$$

$$F = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$$

4. What are the coordinates of the vertex of the parabola?

- a. (1, 2)
- b. (2, 1)
- c. (1, 1)
- d. (2, 2)

B

$$y = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$$

5. What are the coordinates of the vertex of the parabola?

- a. (1, 2)
- b. (2, 1)
- c. (1, 1)
- d. (2, 2)

B

$$y = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 3 & 4 \\ 3 & 4 & 5 \end{bmatrix}$$

Math 1313 Homework 2 Uh

Robert Lakeland, Carl Nugent



Math 1313 Homework 2 Uh:

Math 1313 Homework 2 Uh Book Review: Unveiling the Power of Words

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