Multiple Choice

Question: Use the rules of limits to find the indicated limit if it exists.

$$\lim_{x \to 2} e$$

- a) 2
- b) e
- c) 0
- d) does not exist

Multiple Choice

Question: Find the indicated limit of the function:

$$\lim_{x \to 2} f(x), \text{ when } f(x) = \begin{cases} -x+3 & \text{if } x < 2 \\ 2 & \text{if } x = 2 \\ x^2 -1 & \text{if } x > 2 \end{cases}$$

- a) 1
- b) 2
- c) 3
- d) does not exist

Multiple Choice

Question: Use the rules of limits to find the indicated limit if it exists.

$$\lim_{x \to -2} (3x^3 - 2x^2 + 4x - 1)$$

- a) -41
- b) -10
- c) 23
- d) does not exist

Multiple Choice

Question: Use the rules of limits to find the indicated limit if it exists.

$$\lim_{x \to 3} \frac{x-3}{x^2 -x-20}$$

- a) -1
- b) -0.5
- c) 0
- d) does not exist

Multiple Choice

Question: Use the rules of limits to find the indicated limit if it exists.

$$\lim_{x \to 3} \frac{x^2 - 5x + 6}{x - 3}$$

- a) -2
- b) 1
- c) 2
- d) does not exist