31. Determine the domain of the function below.

$$f(x) = \frac{4}{20x^2 - 41x + 20}$$

   A. All Real numbers except $x = a$ and $x = b$, where $a \in [0.33, 0.91]$ and $b \in [0.97, 1.6]$

   B. All Real numbers except $x = a$ and $x = b$, where $a \in [19.73, 20.01]$ and $b \in [19.73, 20.01]$

   C. All Real numbers except $x = a$, where $a \in [0.33, 0.91]$

   D. All Real numbers except $x = a$, where $a \in [19.73, 20.01]$

   E. All Real numbers.

32. Solve the rational equation below. Then, choose the interval(s) that the solution(s) belongs to.

$$3 - \frac{5}{4x + 4} = \frac{7}{-16x - 16}$$

   A. $x \in [0.84, 1.29]$

   B. $x_1 \in [-0.27, 0.24]$ and $x_2 \in [-2, 0]$

   C. All solutions lead to invalid or complex values in the equation.

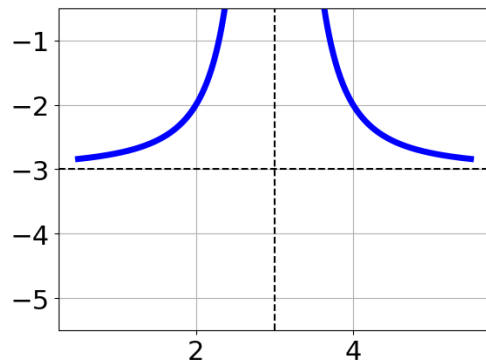   D. $x_1 \in [0.84, 1.29]$ and $x_2 \in [-2, 0]$

   E. $x \in [-0.89, -0.43]$

33. Solve the rational equation below. Then, choose the interval(s) that the solution(s) belongs to.

$$-\frac{3x}{7x + 3} - \frac{6x^2}{-42x^2 + 31x + 21} = \frac{5}{-6x + 7}$$

   A. $x_1 \in [4.6, 6.4]$ and $x_2 \in [-0.87, 0.16]$

   B. $x \in [-4.5, 0.6]$

   C. All solutions lead to invalid or complex values in the equation.

   D. $x_1 \in [4.6, 6.4]$ and $x_2 \in [-1.54, -0.69]$

   E. $x \in [0.6, 3.9]$

34. Choose the equation of the function graphed below.

A. $f(x) = \dfrac{1}{(x-2)^2} - 3$

B. $f(x) = \dfrac{-1}{x+2} - 3$

C. $f(x) = \dfrac{1}{x-2} - 3$

D. $f(x) = \dfrac{-1}{(x+2)^2} - 3$

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35. Choose the graph of the equation below.

$$f(x) = \dfrac{-1}{x+2} - 3$$

A.

C.

B.

D.