Recall the guidelines:

   A. domain
   B. intercepts
   C. symmetry
   D. asymptotes
   E. increase/decrease (and critical numbers)
   F. local maxima/minima
   G. concavity (and inflection points)
   H. sketch the graph

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**1.** Sketch the graph by applying the guidelines:

$$y = \frac{\sin x}{2 + \cos x}, \qquad 0 \le x \le 2\pi$$

**2.** Sketch the graph by applying the guidelines:

$$y = \frac{1}{x^2 - 4}$$

**3.** Sketch the graph by applying the guidelines:

$$y = \frac{x}{\sqrt{x^2 + 1}}$$