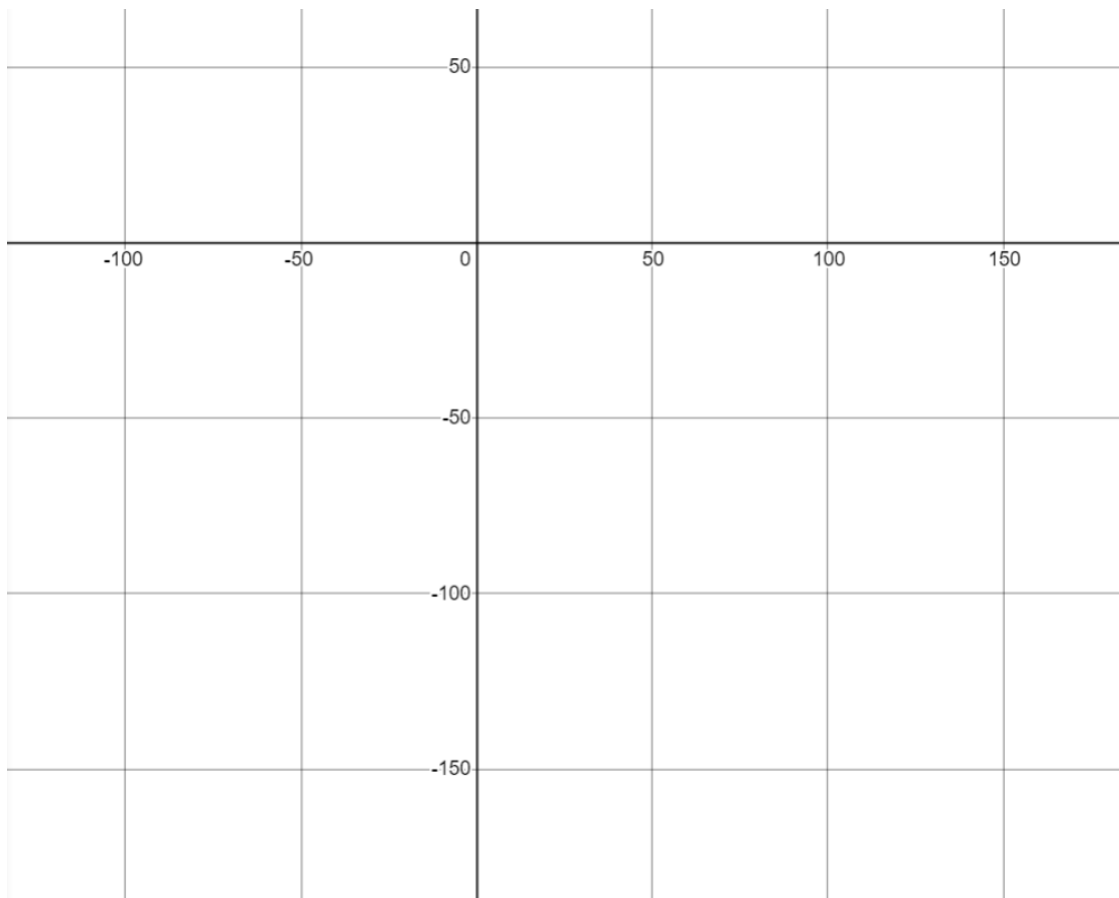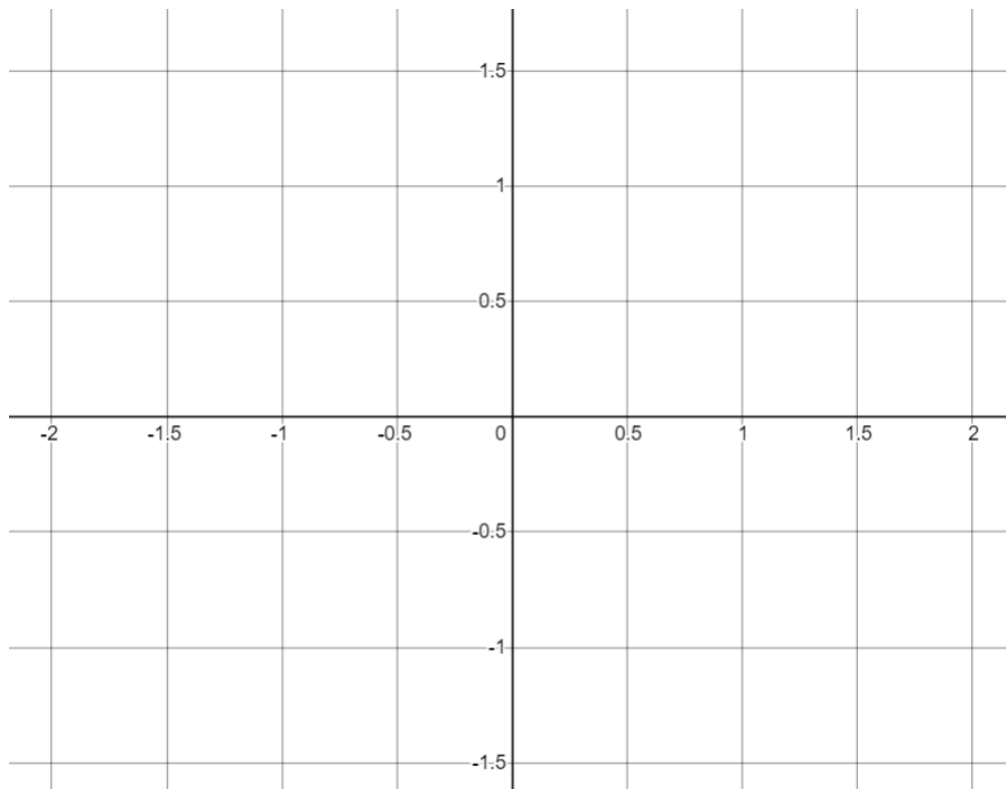**Exercise 1**   Use the guidelines of this section to sketch the curve of

$$y = \frac{x^2 + 5x}{25 - x}$$
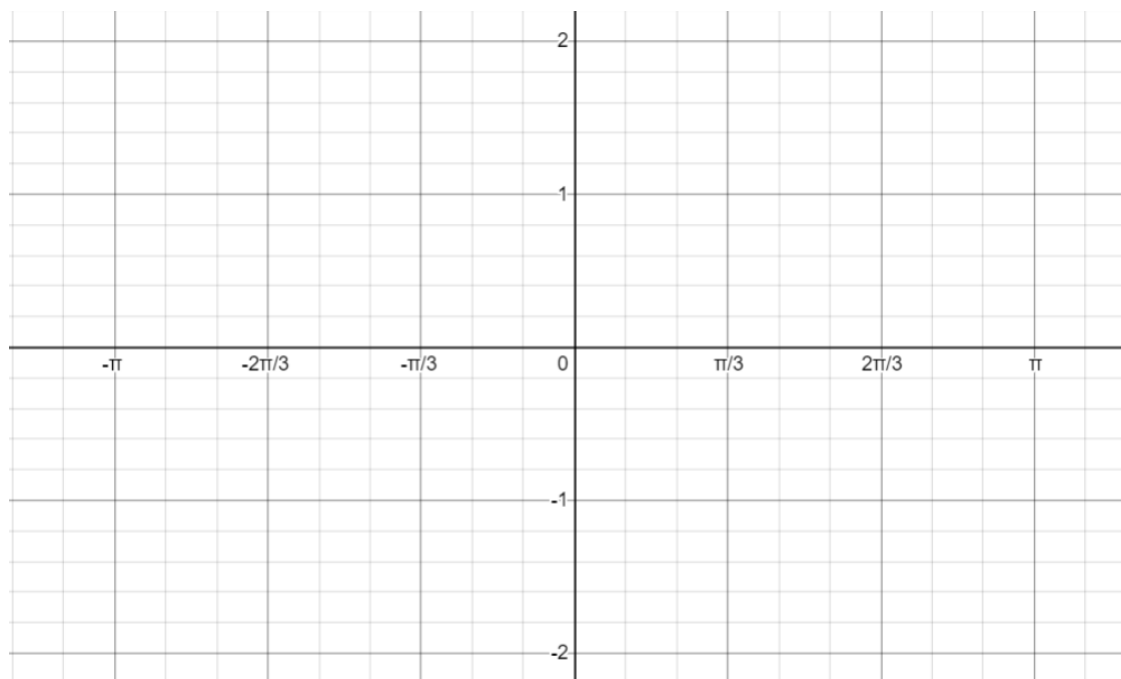
Exercise 2   Use the guidelines of this section to sketch the curve of

$$y = x\sqrt{2 - x^2}$$

Exercise 3   Use the guidelines of this section to sketch the curve of

$$y = \csc(x) - 2\sin(x), \quad -\pi < x < \pi$$

Exercise 4 Use the guidelines of this section to sketch the curve of

$$y = \ln(1 + x^3)$$