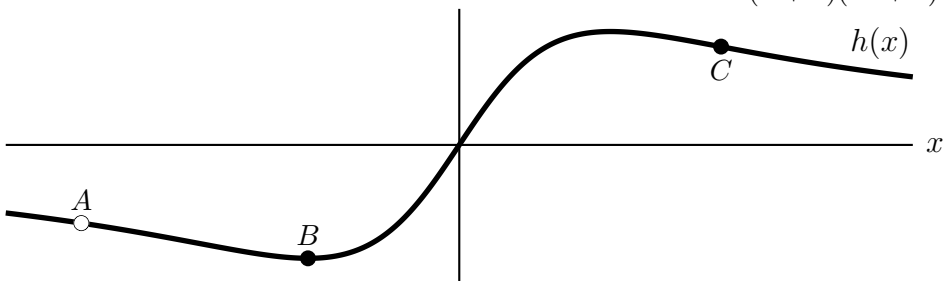
8. [13 points] Below, there is a graph of the function $h(x) = \dfrac{2x^2 + 10x}{(x+5)(x^2+4)}$.



a. [3 points] The point A is a hole in the graph of h. Find the x- and y-coordinates of A.

b. [5 points] The point B is a local minimum of h. Find the x- and y-coordinates of B.

c. [5 points] The point C is an inflection point of h. Find the x- and y-coordinates of C.