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

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 \( C \).