

01/11/2023 - 6.93 HW

Vertical

The difference between a hole and asymptote is the behavior of the graph

Hole - The lines on either side of the hole get closer to each other

Asymptote - The lines go to $\pm\infty$ on the y axis

Horizontal

You can cross a horizontal asymptote but the line must settle down to it

To find x intercept set y to 0

To find y intercept set x to 0

To find vertical asymptote set denominator to 0

To find horizontal asymptote find the set with the highest degree then divide the leading coefficients