Exploring Rational Functions

Go to [geogebra.org/m/d9ywzkrc](https://www.geogebra.org/m/d9ywzkrc) to complete the GeoGebra activity. Adjust the sliders in GeoGebra using the values from the left column of the table below. Record your observations.

# Exploring Vertical Asymptotes

|  | Observations |
| --- | --- |
|  |  |
|  |  |

|  | Observations |
| --- | --- |
|  |  |
|  |  |

# Exploring Horizontal and Slant Asymptotes

|  | Observations |
| --- | --- |
|  |  |
|  |  |

|  | Observations |
| --- | --- |
|  |  |
|  |  |

Let  and . Zoom out and drag the graph to see above . What do you see?