Introduction to Graphing Rational Functions

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Username: bowiehs

Password: bulldogs

Algebra 2 🡪 Chapter 10 Lesson 9: Graphing Rational Functions by Finding Asymptotes

How do you find…

|  |  |
| --- | --- |
| Vertical Asymptote |  |
| Horizontal Asymptote |  |
| Zeros or x – intercepts |  |
| y – intercept |  |

Examples:

|  |  |
| --- | --- |
| a) $y=\frac{3}{x-3}$ | b) $y=\frac{-4}{x+2}$ |
| c) $y=\frac{x-1}{x}$ | d) $y=\frac{-x+3}{x-2}$ |
| e) $y=\frac{2}{(x-2)^{2}}$ | f) $y=\frac{-1}{(x+1)^{2}}$ |

GLUE HERE