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RATIONAL FUNCTIONS

$$\frac{2x}{6} + \frac{3}{6} = \frac{3x+1}{6}$$

- ▶ General form

$$f(x) = \frac{a}{x-h} + k$$

- ▶ $|a| > 1$: stretches away from origin.

- ▶ $|a| < 1$: compresses towards origin.

- ▶ $a < 1$: reflects graph across x-axis.

- ▶ h : translates function left or right

Moves the vertical asymptote.

- ▶ k : translates function up or down.

Moves the horizontal asymptote.