

## Part II: Sketch Graph B

- Increasing and constant: none
- Decreasing:  $(-\infty, 2) \cup (2, \infty)$
- No relative or absolute extrema
- The graph is in two parts, but is smooth. It is not a piecewise function.
- Domain:  $\{x \mid x \neq 2\}$ , Range:  $\{y \mid y \neq 4\}$
- Horizontal Asymptote at  $y = 4$ ; Vertical Asymptote at  $x = 2$
- The ends are asymptotic to the line  $y = 4$
- x-intercept at  $(1.5, 0)$  and y-intercept at  $(0, 3)$
- *Write the equation*

