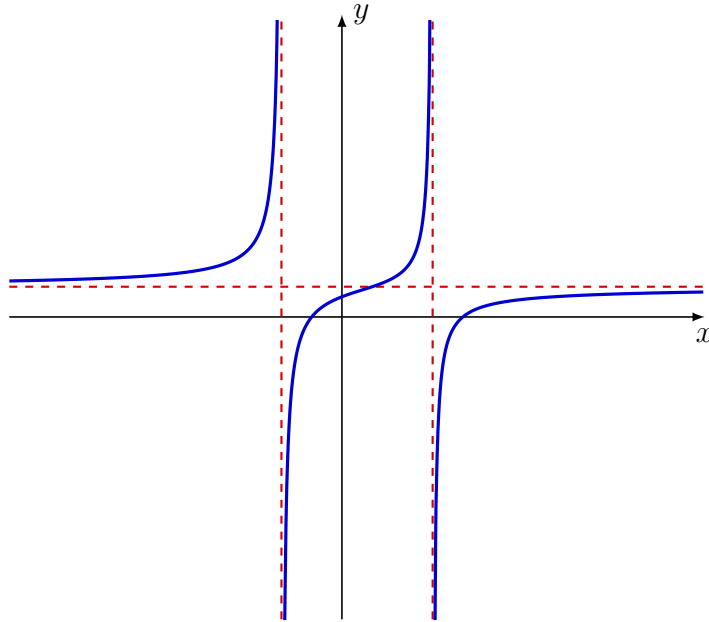


8 (1) $D_R = \{x \mid x \neq -2, 3\}$; (2) No symmetry; (3) x -intercepts are $-1, 4$, and y -intercept is $R(0) = \frac{2}{3}$; (4) v.a. are $x = -2$ and $x = 3$; (5) h.a. is $y = 1$; (6) It's helpful to get, say, $R(-3) = \frac{7}{3}$ and perhaps $R(5) = \frac{3}{7}$. For (7) the sketch should resemble the graph below.



9a Solution set is $(-4, -\frac{1}{2})$.

9b Solution set is $(-\infty, -2) \cup [6, \infty)$.