

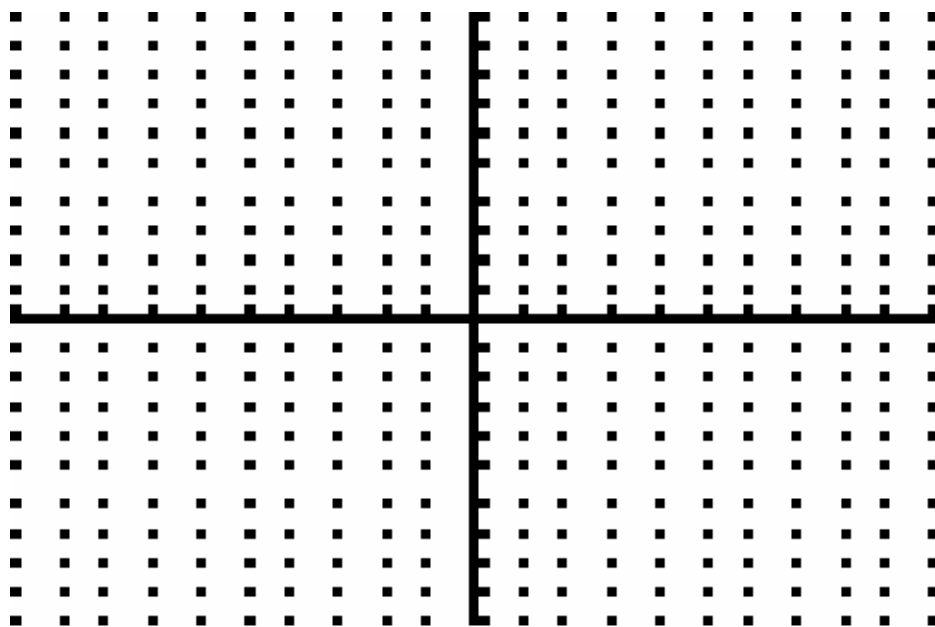
Agenda/Objectives/Notes PAPPC Section 2.7

Starter Problem (non-graphing calculator)

For the given function

- state the domain
- find all intercepts
- identify any vertical, horizontal, and slant asymptotes
- identify any holes
- plot additional solution points and graph

$$f(x) = \frac{2x^3 + x^2 - 8x - 4}{x^2 - 3x + 2}$$



Today's Agenda

1. Starter problem
2. Review assignment due
3. Today's objectives
4. Today's assignment: 204/11, 18, 24, 29, 45, 50, 60, 65
5. **Quiz 2.2 – 2.5**

Today's Objectives: You will be able to

1. Solve polynomial inequalities.
2. Solve rational inequalities.
3. Use inequalities to model and solve real-life problems

