

Objectives

- Find limits as $x \rightarrow \infty$.
- Find horizontal and vertical asymptotes.
- Define End behavior models

Work

Based on section 2.2 (pages 70 - 75), answer the following questions:

1. Define the following terms in your notes. Your definition should include the following: a definition and an example that uses the definition.
 - (a) Horizontal asymptote
 - (b) Properties of limits as $x \rightarrow \pm\infty$
 - (c) Vertical asymptote
 - (d) Right end behavior model
 - (e) Left end behavior model
2. Use graphs (and graphing calculators) to answer questions 1-8 in Section 2.2. (You received a copy of these questions last Thursday.)