

### Friday, Sept. 2

Finding Limits from Graphs Handout p. 111 1-6 p. 131 1-4

Sec. 2.2 pp. 65-68 11, 16, 28-31

Sec. 2.3 pp. 76-77 28, 29, 41, 42, 43, 45, 47, 51, 52

#### Wednesday, Sept. 7

Sec. 2.4 pp. 85-87 9, 11, 19, 21, 22b, 23a, 25, 27

Limits at Infinity Handout 1-4, 15, 19, 20, 23, 26, 27 & problems at right

a) 
$$\lim_{x \to -\infty} \frac{\sqrt{36x^6 - 3x^3 + 2}}{4 - 3x^3 + 2x^2}$$
 b)  $\lim_{x \to -\infty} (5 + 2x^2 - 3x^3)$   
c)  $\lim_{x \to -\infty} \frac{\sqrt[4]{2 - x^2 + 16x^4}}{1 - 8x}$  d)  $\lim_{x \to \infty} (6x^2 - 5x^5 + 2)$ 

c) 
$$\lim_{x \to \infty} \frac{\sqrt[4]{2 - x^2 + 16x^4}}{1 - 8x}$$
 d)  $\lim_{x \to \infty} (6x^2 - 5x^5 + 2)$ 

## Friday, Sept. 9

Introduction to Limits of Special Functions

Limit Worksheet



## Tuesday, Sept. 13

**Asymptotes Handout** 

**Continuity Handout** 

Math **Matters** Due

# Thursday, Sept. 15

Calculating limits with CAS

Brief look at epsilon-delta definition of limits

Journal Due

**Review Limits** 

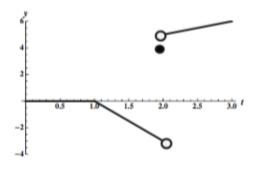
Tuesday, Sept. 20



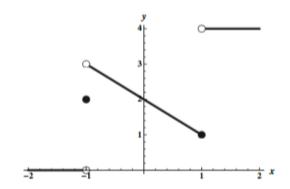
### **ANSWERS**

Sec. 2.2 pp. 65-68
16. Limit appears to be 2.

## 28. Many possible graphs



## 30. Many possible graphs



Sec. 2.3 pp. 76-77

28. -1

42. -5

52. 3a<sup>2</sup>