Friday, Aug. 30

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. 4

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

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

a) $\displaystyle \lim_{x \to -\infty} \frac{\sqrt{36x^6 - 3x^3 + 2}}{4 - 3x^3 + 2x^2}$ b) $\displaystyle \lim_{x \to -\infty} \left(5 + 2x^2 - 3x^3\right)$

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

Friday, Sept. 6

Introduction to Limits of Special Functions

Limit Worksheet

NO HOMEWORK COUPONS

Tuesday, Sept. 10

Asymptotes Handout

Continuity Handout

Math Matters Due

Thursday, Sept. 12

Journal Due

Calculating limits with CAS

Brief look at epsilon-delta definition
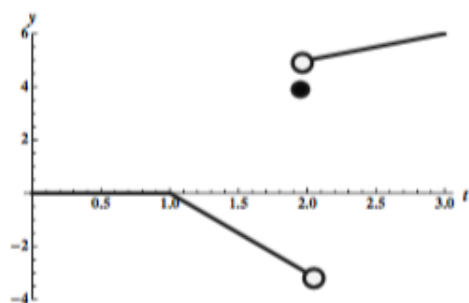   of limits

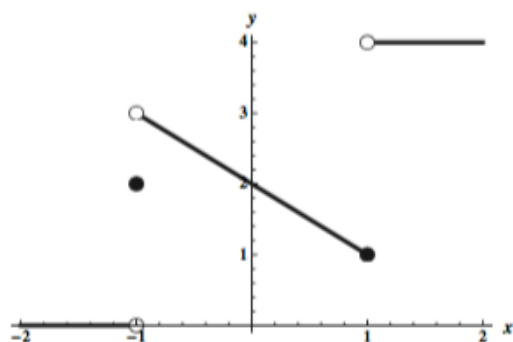Review Limits

Monday, Sept. 16

Limits Test

ANSWERS

16. Limit appears to be 2.

28. Many possible graphs

30. Many possible graphs

28. -1
42. -5
52. $3a^2$

Limits at Infinity
a) 2
b) $\frac{1}{4}$
c) $+\infty$
d) $-\infty$