

PRECALCULUS

Thursday, Sept. 1

Graph Transformations Handout
15-26, 49, 50

Families of Graphs Handout

Tuesday, Sept. 6

Symmetry & Even/Odd Functions Handout

Piecewise Functions Handout

Thursday, Sept. 8

Sec. 1.4 pp. 40-42

Identify increasing & decreasing intervals
and relative & absolute extrema

5, 6, 17, and a) $f(x) = \frac{5x^2 + 8x - 3}{3x^2 + 2}$ (calculator)

Quadratics & Inverses: See additional problems on back

Monday, Sept. 12

Graph the following inequalities:

By hand: (a) $y > x + 2$ (b) $|x + 2| \geq 5 + y$ (c) $y < \sqrt[3]{x + 2} + 3$

By calculator: (d) $y < x^3 + 5x^2 - 18x - 72$ (e) $y > |x| + 2$

Identify the (a) vertical asymptotes, (b) horizontal asymptotes (c) slant (oblique) asymptotes and (d) holes.

Sec. 2.5 p. 138 20, 22, 25, 27, a-d at right

(a) $f(x) = \frac{x^2 + x - 6}{x - 4}$ (b) $f(x) = \frac{x + 3}{x^2 + 9}$ (c) $f(x) = \frac{x^2 - x - 2}{x - 2}$ (d) $f(x) = \frac{2x^3 + 4x^2 - 9}{3 - x^2}$

Wednesday, Sept. 14

Review Graphing

*Journal
Due*

Friday, Sept. 16

GRAPHING TEST

Math Matters Due Next Class!