

Regular Time	Period	Short Schedule
8:00	1	8:00-8:40
9:00	2	8:45-9:25
10:00	3	9:30-10:10
11:00	4	10:15-10:55
12:45	6	11:00-11:40
Noon	Lunch	11:45
1:45	7	12:15-12:55
2:45	8	1:00-1:40

Turn in homework:

3.3 #35;

3.4 #17-31odd, 51,53;

3.4 #55-69odd, 95-98all, 79, 89, 93;

3.5 #7-25odd

When you are finished
with your quiz, begin
working

3.5 #27-67
odd

$$\begin{array}{l} \underline{3.5} \\ 19. \end{array} g(x) = \frac{x^3 - 2x^2 + x - 1}{x^2 - 16}$$

$$25. f(x) = \frac{x^3 - x^2 + x - 4}{x^2 + 2x - 1}$$

$$23. h(x) = \frac{x^4 - 2}{x^3 + 1}$$

$$50. f(x) = \frac{3x}{x^2 + 5x + 4} = \frac{3x}{(x+1)(x+4)}$$

zeros: 0 ; y-int: (0,0)

V.A.: $x = -1, x = -4$

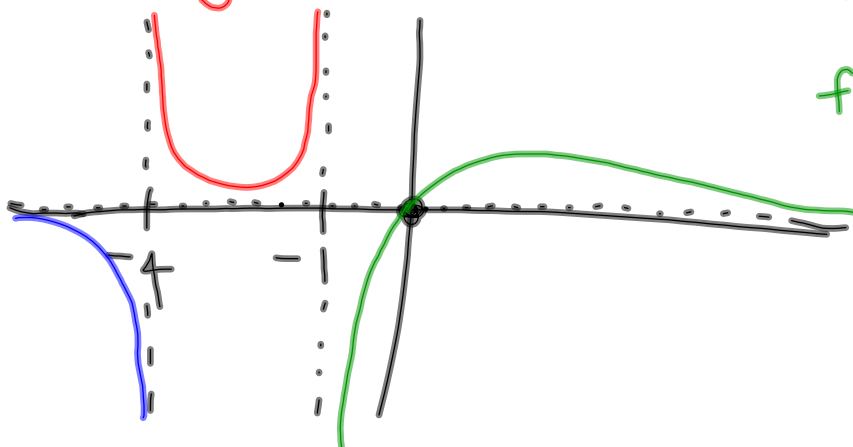
end behavior: $\frac{3x}{x^2} = \frac{3}{x} \rightarrow 0$

H.A.: $y = 0$

$$f(-5) = \frac{-}{-} < 0$$

$$f(-2) = \frac{-}{-} > 0$$

$$f(1) = \frac{+}{++} > 0$$



$$68. f(x) = \frac{x^2 - x - 2}{x + 2} = \frac{(x-2)(x+1)}{x+2}$$

zeros: 2, -1 ; y-int: (0, -1)

V.A.: $x = -2$

end behavior: O.A.: $y = x - 3$

$$\begin{array}{r} x-3 \\ x+2 \overline{) x^2 - x - 2} \\ \underline{-(x^2 + 2x)} \\ -3x \end{array}$$

