

Math Analysis Chapter 2 Assignments

1/31	2.1 Quadratic functions	A#11 pg. 95-96 voc (#2-5) (#1-8, 9-12 sketch c only, 15-25 odd, 28-32 even, 63, 65, 73-75)
2/1	Graphing a higher polynomial function activity.	Enjoy Winter Formal and/or explore Desmos!

2/4	2.2 Polynomial functions of higher degree/Graphing Writing polynomial given the zeros	A#12 pg. 108 (#1-8, 17-24, 25-32 (no graphing), 52, 55, 57, 62-68 even a-d, 99-105)
2/5	2.3 Long and synthetic division	A#13 pg. 123 (#1-10, 13-20, 31- 34 c only)
2/7	2.3 Real Zeros	A#14 pg. 124 (#35-37, 39-42 a-d, 46-47 only list possible zeros, 49-50, parts b & d on 61, 63 & 64)
2/8	2.4 Complex numbers	A#15 pg. 133 (#5-12, 15-49 odd, 57-61 odd, 65-71 odd)

2/11	2.5 Fund. Th. of Algebra Graphing Calculator	A#16 pg. 140 (#1-8, 9- 19 odd, 23, 24, 36, 45-47) Don't Graph!!!
LS 2/12	2.6 Rational Functions/ Asymptotes/Sketching higher polynomial	A#17 Pg. 148 (#7-12, parts a, b and graph for #13-17 and 20, 31, 48-54)
2/14	2.7 Graphs of Rational Functions. No Slant Asymptotes	A#18 pg.157 (Domain, VA, HA and graph for #10-24 even omit 20) Pg. 169 (#4, 6, 19-22, 35, 41)
2/15	Review 2.1-2.7	A#19 pg 169(#49-55 odd, 65-87 odd, 95, 101, 105-117 odd, 126, 129)

2/18	No School	President's Day
2/19	Review	A#20 Review Sheet
2/21	Review	A#21 Worksheet 2.3 (#1-20)
2/22	Test Chapter 2	None

Things to remember about fractions...

1. $\frac{b}{1}$ simplifies to b .

2. $\frac{1}{b}$ does not simplify any further.

3. $\frac{0}{b}$ simplifies to 0.

4. $\frac{b}{0}$ is undefined.

5. $-\frac{a}{b}$ is the same as $\frac{-a}{b}$ and $\frac{a}{-b}$.

6. $\frac{-a}{-b}$ simplifies to $\frac{a}{b}$.

7. $-\frac{a}{b}$ is NOT the same as $\frac{-a}{-b}$.

8. $\frac{\frac{a}{b}}{\frac{c}{d}} = \frac{ad}{bc}$