

| Day | Date                           | Topic  | Text Reference | Exercise  |
|-----|--------------------------------|--|----------------|---|
| 30  | Wed. Oct. 17                   | 4.1: Solving Polynomial Equations I  | p. 204         | #1, 2*, 3, 5, 6<br>*For #2 you do not have to verify using technology. Also for #2d one of the roots is -3 (not 3).   |
| 31  | Thurs. Oct. 18                 | <b>UNIT 3 SUMMATIVE</b>  |                |   |
| 32  | Fri. Oct. 19<br>[Commencement] | 4.1: Solving Polynomial Equations II   | pp. 205-206    | #*8ac, 7b, 9c, 10, 11**, 13, 15, 16***, 18<br>* do #8 first<br>** $x \in W$ means $x$ is a whole number<br>*** wrong answer in back: it should be $x=5$ , $x=-2$ and $x=-3$   |
| 33  | Mon. Oct. 22                   | Number Systems<br>Rational Zeros Theorem<br>4.2: Solving Linear Inequalities | pp. 213-215    | #2bc, 4f, 6d, 7ef, 9*, 12, 15.<br>Challenge: #19.<br>*answers may vary for 9b)  |
| 34  | Tues. Oct. 23                  | 4.3: Solving Polynomial Inequalities I                                       | pp. 225-228    | Use a chart to organize your solution instead of a “number line strategy”.<br>#1ab, 2, 5, 6*, 7abc. Challenge: #17.<br>Error in back for 6e: should be $x \leq \frac{-3}{2}$ or $x \geq 3$ .  |
| 35  | Wed. Oct. 24                   | 4.3: Solving Polynomial Inequalities II                                      | pp. 227-228    | <b>Do #7 first.</b> #7*ef, 3, 8, 9, 12**, 13**, 14, 15<br>*use a graphing calculator or <b>desmos</b> to confirm your answers<br>**the text has answers rounded in the back, but you must state your answers as exact values<br>Challenge: #18  |
| 36  | Thurs. Oct. 25                 | 4.4: Rates of Change in Polynomial Functions                                 |                | Worksheet   |
|     | Fri. Oct. 26                   | <b>P.D. Day</b>  |                |   |
| 37  | Mon. Oct. 29                   | Review Day 1   | pp. 240-242    | p. 241 #12 * use <b>desmos</b><br>pp. 240-241 #1b, 6acd, 7ad, 8cd, 10ad, 14c*, 15<br>* not only find an estimate at $x=5$ , but find the exact rate of change too, using “first principles”<br>p. 242 <b>Chapter Self-Test</b> (allow a maximum of 45 minutes).<br>Corrections to final answers:<br>#8a should only have “less than” inequality signs.<br>#8b - Answers may vary. |
| 38  | Tues. Oct. 30                  | Review Day 2   |                |   |
| 39  | Wed. Oct. 31                   | <b>UNIT 4 SUMMATIVE</b>  |                |   |