

PC 11 Suggested Questions

*These are the suggested questions to complete per section. Please use your discretion to decide if you need to do more questions than these to understand the concept. At the end of each Chapter is a Review and Practice Test. These are good study tools for the test.

1.1 Square Roots and Cube Root of Fractions	Page 6-11, #3,5,6,7,aceg,8acegi,9,11,12
1.2 The Real Number System	Page 17-21, #3,4,5,7,8,9,11,12,13,14
1.3 Mixed and Entire Radicals	Page 26-30, #3,4,ace,5ace,6ace,7ace,8aceg,9ac,10ace,11,12,15,16
1.4 Powers with Positive Rational Exponents	Page 41-47, #3,4,5,6,aceg,7aceg,8,9,10aceg,11acf,12aceh,14,16,19,20
1.5 Powers with Negative Rational Exponents	Page 55-61, #3,4,5,6,7,8,10,11,14,18,19,21
1.6 Exponent Laws and Order of Operations	Page 69-77, #3,4,5,6,7,11,12,13,14abc,15,16,17,20,21,22
Chapter 1 Test	In Class
2.1 Simplifying Radical Expressions	Page 95-101, #3,4,5,6,7,8,9,10ace,11ace,13,14ace,15
2.2 Adding and Subtracting Radical Expressions	Page 106-111, #3a,4,5,7,8,9,11,12
2.3 Multiplying and Dividing Radical Expressions	Page 121-129, #3,4,5,6,7,8acegi,9abef,10,13a,14
2.4 Solving Radical Equations Graphically	Page 137-145, #4,5,6,7,8,9,10,11,12,13,14,15
2.5 Solving Radical Equations Algebraically	Page 154-161, #4,5,6,7,8,9,10,11,15,16
Chapter 2 Test	In Class
3.1 Factoring Trinomials	Page 181-187, #4,5,6,7,8,9,10,11
3.2 Factoring Polynomial Expressions	Page 194-201, #3acde,4aceh,5,6,7,8,9ace,10acegi,11,12,13,15a,16ad,17,18aceg,20
3.3 Solving Quadratic Equations by Factoring	Page 209-215, #4,5,6,7,8,10ace,12a,13,14,16,19,20
3.4 Using Square Roots to Solve Quadratic Equations	Page 222-227, #4,5ace,6,7,8,10ac,11ac,12,14,15
3.5 Developing and Applying the Quadratic Formula	Page 236-246, #4abc,5,6,7,9,10ace,11acd,12,13,14,15,16,17,18
3.6 Interpreting the Discriminant	Page 251-258, #4acef,5,6,7,8,9,10,11,12,13,15,16
Chapter 3 Test	In Class

4.1 Properties of a Quadratic Function	Page 277-282, #4,5,6,7,8,9,10,11,12,13
4.2 Solving a Quadratic Equation Graphically	Page 285-287, #1,2,3,4,5
4.3 Transforming the Graph of $y = x^2$	Page 289-291, #1,2,3,4
4.4 Analyzing Quadratic Functions of the Form $y = a(x - p)^2 + q$	Page 304-310, #3,4,5,6,7,8,9,10,11,12
4.5 Equivalent Forms of the Equation of a Quadratic Function	Page 315-319, #4,5,6,7,8
4.6 Analyzing Quadratic Functions of the Form $y = ax^2 + bx + c$	Page 326-332, #3,4,5,6,7,8,9,10,11,13
4.7 Modelling and Solving Problems with Quadratic Functions	Page 343-347, #3,4,5,6,8,9,10
4.8 Solving Linear and Quadratic Inequalities Graphically	Page 355-363, #3,4,5,6,7,9,10,11,14
4.9 Solving Linear and Quadratic Inequalities Algebraically	Page 372-379, #3,4,5,6,7,8,9,12
Chapter 4 Test	In Class
5.1 Angles in Standard Position in Quadrant 1	Page 409-416, #3,4,5,6,7,8,10ace,11,15
5.2 Angles in Standard Position in All Quadrants	Page 426-437, #3,4,5,6,7,8,9,10,11,13,14adg,15ace,16ace,18,19aceh,20
5.3 Coterminal Angles	Page 445-455, #4,5,6ac,7ad,10,12ace,13ac,14ac,16,18,19ace
5.4 Constructing Triangles	Page 465-466 #1,2,3,4,5
5.5 The Sine Law	Page 475-487, #3,4,5,6,7,9,10ace,12,13,14,16
5.6 The Cosine Law	Page 495-504, #3,4,5ace,7a,9,10,11,13,14
Chapter 5 Test	In Class

6.1 Equivalent Rational Expressions	Page 525-530, #4,5,6,7,8,9,11a,15
6.2 Multiplying and Dividing Rational Expressions	Page 535-542, #3,4,5,6aceg,7ac,8ac,9,11,12,14a
6.3 Adding and Subtracting Rational Expressions Part A	Page 551-557, #3,5,6,7,8,9,11ac,12ac,13,14
6.4 Adding and Subtracting Rational Expressions Part B	Page 564-571, #3,5,6,7,10ac,11,12a,13ad,14
6.5 Solving Rational Equations	Page 581-589, #3,4,5,6,7,9bd,10ac,11,13,15ac
6.6 Applications of Rational Equations	Page 595-601, #3,4,5,6,7,8,9,10,11,12,13
Chapter 6 Test	In Class
7.1 Simple Interest	Page 617-623, #3,4,5,6,8,9,11,12,13,16,20,22
7.2 Compound Interest	Page 630-637 #3,4,6,8,9,10,12,14,15,18,20
7.3 Comparing Simple and Compound	Page 645, #1,2,3
7.4 Annuities: Investments and Loans	Page 652-662, #3,4,5,7,9,10,11,13,15,17,18
Chapter 7 Assignment	No Test-Teacher will provide assignment

