

PCC Math 95, Winter 2012, Instructor: Jeff Pettit. This is a rough schedule. We may get ahead of schedule or we may fall behind. Changes will be outlined in class as needed. On-line homework differs somewhat from problems listed below; numbers do not correspond. The ~210 underlined problems below (mostly vocab. and writing probs.) are not included on-line and should be done in addition to on-line homework and submitted on exam days before the exam is begun.

| Week | Topic Sec | Page Homework |
|--------------------------|---|--|
| 1 Jan 10&12 | Functions and Their Representations Linear Equations Linear Inequalities | 2.1 86 <u>1-13,15-19</u> odd,23-37odd,41,47,51-59odd,63,65,75-89odd,91,93,97-105odd,107,109,111,112 113-121odd,122,123,124,&Supp.Probs. 3.1 160 <u>1-11,28,41,42,50,53,54,73,74-76,77-82</u> 3.3 185 <u>9,11,15,17,21,25,27,35,37,43,49-55</u> odd,57,59,63-69odd,83,85,87,93,&Supp.Probs. |
| 2 Jan 17&19 | Compound Inequalities Absolute Value Equations and Inequalities Intro to Rational Functions and Equations | 3.4 197 <u>3,5,7,9,13-17</u> odd,21,25,29-35odd,37,39-47odd,49,51-59 odd,63,71,75,77,80,81-85odd,87,103,109 &Supp.Probs. 3.5 209 <u>3,5,7,8,9,13,15-19</u> odd,23-27odd,31,33,(35,37,38,39solve graphically),45,47,49,55,57,59,63,65,71, 79-85odd,87,89(graph w/calculator),93,111,115 6.1 412 <u>1-4,9-13</u> odd,15,17-25odd,27,37,43,47-51odd,55-67eoo,75,79,83,85,95-98,&Supp.Probs. |
| 3 Jan 24&26 | Mult. & Div. of Rational Expressions Exam 1 Thurs: lectures from Weeks 1&2 | 6.2 425 <u>1,2,3,5,7,15-19</u> odd,21,23,25,32,37-41odd,49,61,63,67,71,73,79,81,83,87,89,91,93,95,107,111 ,&Supp.Probs. |
| 4 Jan 31 & Feb 2 | Add. & Sub. of Rational Expressions Rational Equations | 6.3 437 <u>1-6,9,13,17,23,31,33,37,39,43,45,49,51,55,57-61</u> odd,65-71odd,78,79,89,93,97,&Supp.Probs. 6.4 448 <u>1-6,13-17</u> odd,21-31 odd,35,39,45,47,49-57odd,61,64,66,67,69-83 odd,87,89,93,95,97,99-103odd |
| 5 Feb 7&9 | Complex Fractions Radical Expressions & Rational Exponents Simplifying Radical Expressions | 6.5 458 <u>12,13,15,17,19-25</u> odd,27,33,41,47,48,51,52 7.1 507 <u>1-10,17-21</u> odd,27,28,33,35,36,37-65eoo,69,71-75odd,79,81,85,87,89,91-95odd,99,103,105,106,107 123 7.2 515 <u>1-6,7,8-10,11,15,19,23,27,31,35,39,43,47,52,54,55,59,63,67,73,75,79,83,87,93,95,97</u> |
| 6 Feb 14&16 | Operations on Radical Expressions Radical Functions Takehome exam handed out Thursday | 7.3 527 <u>1-8,9,89-91</u> odd,93,95,97 7.4 537 <u>11,13,17,23,25,31-43</u> odd,53-59odd,61,63,67,69,81,&Supp.Probs. |
| 7 Feb 21&23 | Equations Involving Radical Expressions Complex Numbers | 7.5 551 <u>1,2,3,4,8,9,11,13,15,17,21,25,27,29,33,37,41,43,71,73,77,78,83,84,85,86,119,121,129,131,135,</u> 7.6 562 <u>1-11,13-37</u> odd &Supp.Probs. |
| 8 Feb 28 & March 1 | Quadratic Functions and Their Graphs Parabolas and Modeling | 8.1 586 <u>1-10,11,17,19,21-25</u> odd,29,33,37,40,41,55,59,61,67,69,75,76-78,79,83,85,87a&b 8.2 598 <u>1-8,9,13,17-25</u> odd,29,31,35,39,41-59odd |
| 9 March 6&8 | Quadratic Equations Exam 3 Thurs: lectures from Weeks 7&8 | 8.3 610 <u>1-9,17,19,21-45</u> odd,51-55odd,59,63,71,75-83odd,87,99,115,123,&Supp.Probs. |
| 10 Mar 13&15 | The Quadratic Formula Catch-up if needed and review for Final Exam | 8.4 623 <u>1-3,4,5-8,9,13-17</u> odd,21,25,29,31-37odd,45-49odd,53,57,69,79,101,106,108,110 |
| Finals March 22 | Cumulative Final Exam: noon-2pm, Thursday, March 22 No class Tuesday. | |

Homework can be done by hand on paper. However, I encourage everyone to do homework on-line instead using www.coursecompass.com and the course i.d. listed on the syllabus below. If you bought your book used and don't have a student access code (a 31-letter code that came with your textbook's Student Access Kit), one can be purchased on-line for ~\$75 (this includes an on-line textbook). On-line resources include video lectures for each section, hints, step-by-step homework assistance, and more. "eoo" means "every other odd" e.g. 55,59,63,etc.