

## Math 123: Module D Guidelines and Homework

Please do the sections in the order given.

Unless otherwise instructed, do the Instruct section (take notes!) then proceed to Certify.

If you're unable to Certify then proceed to Practice. Practice as much as you need to in order to build your knowledge and skill enough to complete the Certify.

You **MUST** certify in all sections listed and you **MUST** do all the homework before taking the Module Exam.

Computer Lesson	Guidelines (for work on the computer)	Homework (work done out of the book)
7.5	<b>Solving Quadratic Equations by Factoring</b> Do Instruct, Practice, Certify	7.5 page 592: 9, 13, 15, 27, 39, 41, 47, 49. 65, 69
9.1	<b>Introduction to Radicals</b> Do Instruct, Practice, Certify	9.1: page 708: 1 - 9 odd; 15 - 35 odd, 39, 45 - 53 odd, 57, 69, 71
9.2	<b>Simplifying Radicals</b> Do Instruct, Practice, Certify	9.2: page 718: 1 - 25 eoo, 27 - 41 odd, 45, 47, 53, 55
9.3 a, b	<b>9.3a: Addition and Subtraction of Radicals</b> <b>9.3b: Multiplication of Radicals</b> Do Instruct, Practice , Certify in both sections	9.3: page 723: 15 - 43 eoo51 - 67 eoo
9.4 a, b	<b>9.4a: Rationalizing Denominators</b> <b>9.4b: Division of Radicals</b> Do Instruct, Practice , Certify in both sections	9.4: page 730: 5 - 45 eoo, 53
9.5	<b>Solving Equations with Radicals</b> Do Instruct, Practice , Certify	9.5: page 736: 1 - 35 eoo
9.7	<b>The Pythagorean Theorem</b> Do Instruct, Practice , Certify	9.7: page 752: 1 - 9 odd, 33, 35, 37
10.3	<b>Solving Quadratic Equations by the Quadratic Formula</b> Do Instruct, Practice , Certify	10.3: page 794: 1 - 23 odd, 37, 39, 41
10.4	<b>Applications of Quadratic Equations</b> Do Instruct as follows: Do Examples 1 and 4 Skip Example 2 and 3  In the Practice section Do the "height of the arrow" problem, the number problems, the rectangle problems and the motion problems involving going north and west.  Skip the "Cost of the Trip" problem, the other motion problems (involving the plane and boat) and the "pipes filling up the tank" problems  Certify as usual, the skipped problems have been edited out.	10.4: page 801: 1,3, 5, 9, 11, 17, 31
		<b>Module D Exam Review</b>  <b>Review:</b> page 615: 19, 21, 22, 23, 25, 27  Page 766: 3- 25 all, 31 - 34 all  page 827: 3, 7, 8, 9, 13, 14, 16, 17, 18, 23ac (skip part b)

