

Math 100 Fall 2011 Book Corrections

Chapter 0

Page 2 problem 1 answer is $\frac{7}{16}$

Page 2 problem 9 answer is $2\frac{1}{3}$

Page 3 problem 18 answer is $2\frac{11}{12}$

Page 8 problem 55 answer is $4\frac{17}{30}$ glass

Page 2 problem 2 answer is $\frac{8}{15}$

Page 2 problem 12 answer is $\frac{59}{4}$

Page 6 problem 46 answer is $5\frac{7}{25}$

Chapter 1

Page 5 problem 21 answer is -40

Page 5 problem 27 answer is -1

Chapter Review problem 12 answer is 0

Chapter Review problem 20 answer is -2

Chapter Review problem 21 answer is 1

Chapter Review problem 29 answer is 176 degrees F

Chapter Review problem 43 answer is $7x + 2$

Chapter 2: Section 2-4 problem 24 answer is $\frac{3C+15}{2} = P$

Chapter 3: None

Chapter 4

Page 25 problem 41 answer is $m = \frac{5}{4}$ y -int = -3

Page 41 problem 29 answer is $y \geq \frac{5}{3}x - 4$

Chapter Review problem 38 should read $2x + 3y = 3$ and the answer is $y = \frac{-2}{3}x + 1$

Chapter 5 : None

Chapter 6

Page 13 problem 91 answer is $\frac{x^3}{2y^3}$

Page 15 problem 34 answer is 6.2×10^9

Page 19 problem 44 answer is $2x^2 + 3x - \frac{5}{2}$

Page 24 problem 4 answer is $9x^3 + x^2 - 1$

Page 26 problem 22 should read $\frac{6x^2 - 11x - 4}{3x - 1}$

Page 27 problem 25 answer is $4x + 5 - \frac{2}{3x + 1}$

Chapter 6 review problem 5 answer is $\frac{-4x^4}{3y^5}$

Chapter 6 review problem 37 answer is $\frac{2y}{3} - \frac{2}{5y^2} + \frac{1}{3y^4}$

Chapter 7

Page 4 problem 30 answer is $3y(5x^2 + 4x + 1)$

Page 5 problem 39 answer is $(3x - 1)(3x + 2)$

Page 5 problem 42 should read $4x^2 - 12x - x + 3$ and the answer is $(x - 3)(4x - 1)$

Page 5 problem 42 should read $15x^2 - 6x + 5x - 2$ and the answer is $(5x - 2)(3x - 1)$

Page 5 problem 43 answer is $(x - 4)(x + 5)$

Page 5 problem 49 should read $2x^2 + 8x + 3x + 12$ and answer is $(x + 4)(2x + 3)$

Page 5 delete problems 49 to 51 Page 18 problem 39 answer is $3(2x^2 - 10x + 3)$

Page 18 problem 40 answer is $3(3x - 2)(3x - 2)$

Chapter 8

Chapter 8 Review problem 26 answer is $\frac{5x + 8}{(x + 1)(x + 2)(x + 2)}$

Chapter 9

Page 9 problem 30 answer is $10\sqrt{3}$ Page 10 problem 35 answer is $21\sqrt{7}$

Page 10 problem 37 answer is $16\sqrt{3} + 13\sqrt{2}$

Page 18 problem 55 answer is $\frac{6(\sqrt{11} + \sqrt{7})}{4} = \frac{3\sqrt{11} + 3\sqrt{7}}{2}$

Page 25 problem 14 answer is $5\sqrt{2} - 8\sqrt{3}$ Page 26 problem 24 answer is $29 - 6\sqrt{6}$

Chapter 10

Page 5 problem 31 answer is $\frac{5 + \sqrt{17}}{4}$ or $\frac{5 - \sqrt{17}}{4}$

Page 5 problem 33 answer is $\frac{6 \pm \sqrt{12}}{6} = \frac{6 \pm 2\sqrt{3}}{6} = \frac{3 \pm \sqrt{3}}{3}$

Page 9 problem 29 answer is No Real Numbers

Page 9 problem 30 answer is $x = -8 + \sqrt{5}$ or $x = -8 - \sqrt{5}$

Page 9 problem 31 should read $(x + 4)^2 - 36 = 0$ and the answer is $x = 2$ or $x = -10$

Page 9 problem 32 answer is $x = -7 + 2\sqrt{3}$ or $x = -7 - 2\sqrt{3}$

Page 9 problem 33 answer is $x = 6 + 2\sqrt{2}$ or $x = 6 - 2\sqrt{2}$

Delete problems 34, 35, 36