

Nelson Functions 11 Corrections

Chapter 1

pg 52 – In the table for $y = \sqrt{x}$ the last value for x should be 16 instead of 10

Answers

pg 10 #7c) answer showed $y = -\frac{3}{2}(x+3)^2 + 1$ instead of $y = -\frac{3}{4}(x+3)^2 + 1$

pg 46 #2 answers for d and e are switched.

pg 70 #7b) did not show the vertical reflection c) $R = \{y \in R \mid y \geq -1\}$ #8c) - did not show the vertical reflection in the answer. 9c) range = $\{y \in R \mid y \leq 4\}$

pg 73 #20c) -6, 15

pg 76 #15 answer should be $\left(-\frac{5}{4}, 10\right)$

Chapter 2

Answer for pg 128 #9b) should be $\frac{43x^2 - 84x - 136}{4(x-3)(x+1)(x-2)}$

Chapter 3

Answer for pg 202 #9c) should be $-4\sqrt{3}$ and 13b) should be 2124

Cumulative review on page 206 #21 – in all 4 answers the $\frac{1}{2}$ should be $\frac{5}{2}$

Chapter 5

pg 299 4c) $-\tan 70^\circ$ d) $-\sin 10^\circ$

Chapter 6

answers

pg 352 #4b) 3.1 e) 5

pg 363 #3 Scale should be 1 to -1

pg 383 #7e) Horizontal translation of 40 degrees right not shown

#7f) Horizontal translation of 50 degrees left not shown

#8a) $Y_{\max} = 7$

Pg 391 #1b) $y = \cos(2(x - 90^\circ)) + 2$

pg 398 #1d) $y = 0.5 \sin(180t)^\circ + 1.5$ #4 different vertical shift

pg 404 #9. $y = -30 \cos(1.43x)^\circ + 40$ #12a) $y = \sin(30^\circ(x - 4)) + 2.5$

#12b) $y = 2 \sin(120^\circ(x - 1)) + 4$

pg 408 #7a) should be 2

Chapter 7

On page 444 it should read $\phi = \frac{AC}{CB} = \frac{AB}{AC}$

Chapter 7-8 Review

#11 This is a present value question. The answer b) is obtained by finding the future value of the payments and comparing that to the present value of the lump sum.