Geometry Corrections (2005 Edition and Geometry Honors Corrections)

Scroll to the third page for corrections to the 2002 edition

Please note: This edition of the Geometry course (2005) has had the lesson pages re-lettered with the new system. If you have the 2002 edition, the page letters will not match with those given below. Here is a chart to show you how to convert from the old system to the new.

2002 Edition	2005 Edition
Practice Sheet A	Lesson Practice A
Practice Sheet B	Lesson Practice B
Lesson A	Systematic Review C
Lesson B	Systematic Review D
Lesson C	Systematic Review E

Teacher Manual - Lessons

Lesson 5-1 Below figure 3 should say AH $\cong$ GH

Teacher Manual - Solutions:

10C #8 last 2 should be superscript

10D #7 last 2 should be superscript

12A #6 other possible answers are line segments GA or GD

13D #7 units should be in^2 not m^2

19B #13: answer is one

21C #9: should read $40\sqrt{2}$

21D #16: solution should be labeled inches, not square inches

22E #16 12 should be squared (answer is correct)

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24C #20 units should be pounds, not cubic feet

25C #20 final units should be cm^2

25D #16: units should be "cm"

27E #16 should say A of sector

28C and 28E #1 - 4: Graph should be labeled 1 - 4, not 5 - 8.

28E #6: answer should read either 7.5 ft, or 2.5 yds.

29A # 21: final answer should be 4/3

30E #13 should read: V (in inches) = [1/2(9)(5)](18) = 405 in^3

Test Booklet:

Enrichment 18C: solution near bottom of page: H = 127.28 feet, not inches.

In paragraph to right of solution: start with .28'

Unit Test II Section IV #3 should read: $3\sqrt{7} - 2\sqrt{7} + 1/2\sqrt{7} - 3/2\sqrt{7}$

Student Text

20D #18 should refer to #17, not #18

20E #3, 4 Hypotenuse of drawing should be labeled $5\sqrt{2}$

28D #14 should refer to #13, not #14

Honors

Solutions Lesson 4 # 6 3C = 33; C = 11

Solutions Lesson 6 #5 P = 6X + (.5)6X; P = 6X + 3X; P = 9X

Solutions Lesson 6 #6 P = 9X; P = (9(8); P = $72

Solutions Lesson 16 #5 150 sq. ft. ÷ 6 faces = 25 sq. ft. per face; $\sqrt{25}$ = 5; bin is 5 x 5 x 5

Solutions Lesson 24 #5 m arc 5 = 160°

Solutions Lesson 25 - the word “reflexive’ may be used instead of “identity” in the proofs.

Solutions Lesson 30 #6 second line should be .5 = 30/L

Geometry Corrections 2002

Geometry Tests

test 5: diagram label should read 5-9 instead of 5-8
final test, question VIII: answers for #2 and #3 are transposed

test 12: # 10 The question should read as follows:
"A minor arc has a measure of 48°. What is the measure of the inscribed angle that intercepts the arc?"
If the question reads differently than above, then the answer should be 96 degrees.

Unit test II: measure of angle AX<u>C</u> is 82°.

Enrichment 21 C: for side of 10 cm: 6 x 1/2(10 x $5\sqrt{3}$) or 259.81 (rounded)

equation on bottom should read: $6\left(\frac{1}{2}\cdot S\cdot\frac{S}{2}\sqrt{3}\right)$

Teacher book:
Solutions:

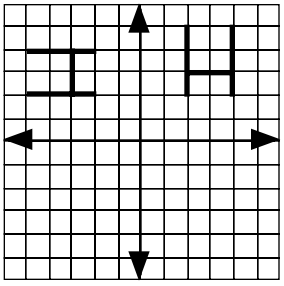
Lesson 8B #19 answer should be a and b
Lesson 10A #15: should be coplanar
Lesson 19 C # 13

$$X^2 = (2B)^2 + B^2 = 4B^2 + B^2 = 5B^2$$

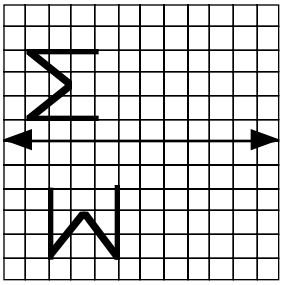
$$X = \sqrt{5}\,B$$

Lesson 20C (20E in 2005 edition) #8 should read: $\frac{2\sqrt{16}}{\sqrt{2}}+\frac{\sqrt{2}}{\sqrt{16}}=\frac{8}{\sqrt{2}}+\frac{\sqrt{2}}{4}=\frac{8\sqrt{2}}{\sqrt{2}\sqrt{2}}+\frac{\sqrt{2}}{4}=\frac{8\sqrt{2}}{2}+\frac{\sqrt{2}}{4}=\frac{16\sqrt{2}}{4}+\frac{\sqrt{2}}{4}=\frac{17\sqrt{2}}{4}$

Practice 28A #6:



Practice 28A #7:



28C #6 X = 2.5 yds.
28C #7 $50^2 + 2.5^2 = H^2$; H = 50.06
Unit Test II question VIII: should be in^2
Final Test question III: should be angle B is congruent to angle D.

Teacher Manual

Lesson 12-3 Figure 14 should say that "measure of the intercepted arc is two times 48° or 96°"

Student book

Lesson 8A a) in answers (8C in 2005 edition) d should read "two pairs of parallel sides..."
Lesson 10B #20: question should read: P =
Practice 12A&B: drawings should state points as being the center of the circle.
Lesson 13B #8: should read line instead of line segment
Lesson 16A #14: should read 70 degrees and 110 degrees.
Lesson 23A #19: height should be 5.2 **feet**
Practice 25B Reason after #4 should be AAS