Geometry - 2.0 - Error List

August 15, 2016

Errors in the current printing:

- Problem Set 17, Practice C – Approximately two-thirds of the way through the CD solution, the value for $\angle BCX$ is incorrectly written as $x+5$ rather than just x. The solution is solved correctly, though.

- Lesson 26 – Approximately two-thirds into the lecture is the sentence "When you were applying the reversibility test, you were really testing the coverse of the definition." The word "coverse" should be "converse".

- Problem Set 35, Problem 24 – Steps 7 through 9 on the CD should be:
  (7) $\overline{VT} \parallel \overline{RS}$ (Given)
  (8) $\angle VTU \cong \angle QSR$ (If two parallel lines are cut by a transversal, then their alternate interior angles are congruent.)
  (9) $\Delta QRS \cong \Delta UVT$ (Angle-Side-Angle)

- Problem Set 41, Problem 24 – The answer to step 5 on the CD should be option "A."

- Problem Set 51, Problem 24 – There is an alternate method that could be considered correct on the CD. If the following steps are all entered instead of what is in the answer key, the problem should be counted as correct.
  (2) $\angle ABC \cong \angle BCD$ (option C)
  (3) $\overline{BC} \cong \overline{BC}$ (option A)
  (4) $\Delta ABC \cong \Delta DCB$ (option E)

- Lecture 57 – From about the 2.5 to 4 minute mark in the lecture, the word "definition" is misspelled in the phrase "definition of a rectangle."

- Problem Set 63, Problem 19 – The top and bottom sides of this trapezoid are parallel. On the CD, there should be an arrow on the bottom side to indicate as such.

- Lesson 72 – At the end of the CD lecture, the word "triangle" is misspelled as "trangle" in Theorem 56.

- Problem Set 91, Problem 23 – On the CD, the second statement should be "$mDC = mAB$." There is currently a plus sign instead of an equals sign.

- Problem Set 93, Practice B – The answer on the CD is wrong. The correct answer is " $\angle V = 90$, $\angle T = 40$, $\angle R = 50$. On the diagram in the solution, the points "R" and "T" should be switched.

<u>Errors that occurred in old printings</u>.

- Problem Set 8, Practice A – Option A in the textbook and answer key should be " $\overline{HI} = 4.5$."
- Problem Set 8, Problem 7 – Option A in the textbook and answer key should be " $\overline{JK} = 4.5$."
- Problem Set 8, Problem 8 – Option A in the textbook and answer key should be " $\overline{CD} = 4.5$."
- Problem Set 15, Problem 15 – The second equation in the problem statement in the textbook and on the CD should be " $MG = x - 2$" so that the final answer is " $x = 3$."
- Problem Set 17, Problem 23 – Reason 4 in the answer key and on the CD should be "If two angles are supplementary to the same angle, then they are equal."
- Problem Set 24, Problem 19 – The equations in the problem statement on the CD should be " $m\angle IOJ = 5x + 2$ and $m\angle JOK = 6x - 9$."
- Problem Set 41, Problem 24 – The answer to step 5 in the answer key should be " $\angle BXA \cong \angle BXC$."
- Problem Set 48, Problem 20 – In the textbook and on the CD, the bottom right point on this diagram should be at the corresponding vertex of the triangle, not off to the side.
- Lesson 49 – The given statement of the first proof in the written lesson and the CD lecture should be " $DE \neq EF$."
- Problem Set 54, Practice E – Statement 6 in the answer key and on the CD should be "*MNSQ* is a parallelogram."
- Problem Set 58, Problem 24 – The steps in the answer key are numbered incorrectly.
- Problem Set 60, Practice E – The steps in the answer key are numbered incorrectly.
- Lesson 64 – On page 376 of the written lecture, and on the CD, the equation in Definition 54 should be " $\frac{a}{b} = \frac{b}{c}$."

- Problem Set 64, Problem 7 – The diagram on the CD should have 9 sides. The figure should be a nonagon, not an octagon.

- Problem Set 64, Problem 19 – In the diagram on the CD, the angle labeled "4x" should be labeled as "4z."

- Problem Set 70, Problem 11 – The end points of the line cutting through the triangle should be labeled "D (left)" and "E (right)."

- Problem Set 70, Problem 11 – The answer in the answer key and on the CD should be "36."

- Problem Set 77, Problem 20 – There should be an "*x*" next to the side that isn't labeled in the textbook.

- Problem Set 81, Practice B – The bottom right point on this diagram where the radius connects to the edge of the circle should be labeled with point "H," in both the textbook and on the CD.

- Problem Set 84, Practice E – The diagram is unproportional and so the triangles in the prove statement are not similar. ΔJIK and ΔLMK should be similar triangles with proportional sides.

- Problem Set 84, Problem 24 – The diagram is unproportional and so the triangles in the prove statement are not similar. ΔBAC and ΔDEC should be similar triangles with proportional sides.

- Problem Set 87, Problem 23 – Steps 3 and 4 in the answer key and on the CD should be:
  (3) $mAB + mBC = mDC + mCB$ (Substitution Property)
  (4) $mAB = mDC$ (Subtraction Property)

- Lesson 88 – In the second diagram of the written lecture, arcs *GJ* and *FH* should be dashed lines.

- Problem Set 88, Practice E – Reason 10 is numbered incorrectly in the answer key.

- Problem Set 88, Problem 24 – Statement four should not have an "m" for measure in the answer key nor on the CD.

- Problem Set 89, Practice A – The line segment in the problem statement in the textbook and on the CD should be "$\overline{SR}$."

- Problem Set 91, Problem 17 – In both the textbook and on the CD, a point G should be added onto the circle in the diagram between points *F* and *Q* to form major arc *FGQ*.

- Problem Set 91, Problem 24 – Step nine in the answer key and on the CD should be:
  (9) ΔHFG is isosceles. (Definition of an isosceles triangle)

- Problem Set 92, Problem 9 – In the textbook and on the CD, the point labeled "*O*" should instead be labeled "D."

- Problem Set 93, Practice B – The answer in the answer key is wrong. The correct answer is " $\angle V = 90$, $\angle T = 40$, $\angle R = 50$.

- Problem Set 95, Practice B – In both the textbook and on the CD, the bottom base of this trapezoid is missing the parallel line marking.

- Problem Set 95, Practice B – In both the textbook and the CD, the intersection where the altitude connects to line segment *GJ* should have a point labeled "F."

- Problem Set 95, Problem 8 – In both the textbook and the CD, the intersection where the altitude connects to line segment *KL* should have a point labeled "P."

- Problem Set 99, Problem 24 – Step 8 in the answer key and on the CD should be:
  (8) $180 + m\angle B + m\angle D = 360$ (Substitution Property)

- Problem Set 101, Problem 22 – In the textbook and on the CD, the 41° label should be the measure of the angle formed by the door and the back of the chair.

- Problem Set 103, Problem 24 – Step 4 should be:
  (4) $\frac{1}{2} mQPR = \frac{1}{2} mPRS$ (Transitive Property)

- Problem Set 104, Practice C – Choice E in the answer key and on the CD should be changed to " $y + 2 = 4(x - 1)$."

- Problem Set 104, Practice E – Step 4 in the answer key and on the CD should be:
  (4) $m\angle KJM = m\angle JIM$ (Transitive Property)

- Problem Set 104, Problem 6 – The bottom left point on this diagram in the textbook and on the CD should be labeled "D (0, 0)."

- Problem Set 104, Problem 24 – Step 4 in the answer key and on the CD should be:
  (4) $m\angle RQV = m\angle QPU$ (Transitive Property)

- Problem Set 106, Problem 17 – Option C in textbook and on the CD should be:
  " $y - 3 = \frac{3}{2}(x + 2)$."

- Lesson 108 – The header for this lesson should say "LESSON 108: MORE CONSTRUCTIONS."

- Chapter 1 Test, Problem 12 – The labels in each of the choices should say "flamingos" rather than "flamigos," in both the textbook and on the CD.

- Chapter 9 Test, Problem 24 – Reasons 9 and 10 are numbered incorrectly in the answer key.

- Chapter 11 Test, Problem 19 – In the textbook and on the CD, the diagonal line segment in the interior of the quadrilateral should be labeled as having a length of "y."

- Chapter 11 Test, Problem 23 – This diagram is unproportional. Triangle *HID* should be similar to triangle *FCE* and to triangle *HCD*, in both the textbook and on the CD.

- Chapter 13 Test, Problem 10 – Both pairs of opposite sides of this parallelogram should have parallel line markings, in both the textbook and on the CD.

- Chapter 13 Test, Problem 17 – Both pairs of opposite sides of this parallelogram should have parallel line markings, in both the textbook and on the CD.

- Chapter 14 Test, Problem 20 – The diagram is not drawn correctly, angle *n* should be 100°.

- Chapter 14 Test, Problem 23 – The following new step needs to be added between current steps 1 and 2:

  (2) Draw $\overline{LI}$. (Two points determine a unique straight line.)

- Chapter 14 Test, Problem 24 – Step 4 and 5 should have the following step in between them:

  (5) Draw $\overline{OK}$ and $\overline{OL}$. (Two points determine a unique straight line.)

- Chapter 15 Test, Problem 1 – There should be no minus signs in the formula given in the problem statement, in both the textbook and the answer key. It should be "$d = \sqrt{(x_2 + x_1)^2 + (y_2 + y_1)^2}$."