
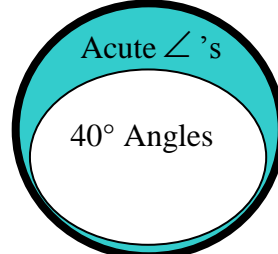


Lesson 2.1

Homework Answers

p. 71, #1-35 odd, 41-47 odd, 51, 54-61

p. 66, #1-20

<p>1. <u>H</u>: You send in the proof-of-purchase. <u>C</u>: They send you a get well card.</p> <p>3. <u>H</u>: $x + 20 = 32$ <u>C</u>: $x = 12$</p> <p>5. <u>H</u>: Somebody throws a brick at me. <u>C</u>: I can catch it & throw it back.</p> <p>7. <u>H</u>: My fans think I can do everything I say I can do. <u>C</u>: They're crazier than I am.</p> <p>9. If an object is glass, then it is fragile.</p> <p>11. If a whole # has 2 as a factor, then it is even.</p> <p>13. If the weather is good, then a picnic is enjoyable.</p> <p>15. Sunday</p> <p>17. Mexico (or Atlantis if you are Morgan...)</p> <p>19.</p>  <p>21.</p>  <p>23. If you grow, then you eat your vegetables.</p> <p>25. If 2 segments have the same len, they're \cong</p> <p>27. If you have a passport, you travel fm US to Kenya. Conditional: true Converse: false</p>	<p>29. If the chemical formula for a substance is H_2O, it is water. Both statements are true</p> <p>31. If you are in Indianapolis, you are in Indiana. Conditional: false Converse: true</p> <p>33. If a person is an Olympian, they're an athlete.</p> <p>35. If something is a whole #, it is an integer.</p> <p>41. If a work is great, it is made out of a combination of obedience and liberty.</p> <p>43. If $x = 18$, then $x - 3 = 15$; true</p> <p>45. If $x = 6$, then $x = -6$. False, counter-example: 6.</p> <p>47. If $x^2 = 4$, then $x = 2$. False, counter-example: -2</p> <p>51. If a figure has 4 congruent angles, then it is a square. False, counter-example: a rectangle</p> <p>54. If 2 lines intersect, they meet in exactly 1 point.</p> <p>55. If 2 planes intersect, then they meet in exactly 1 line.</p> <p>56. If 2 figures are \cong, then they have equal area</p> <p>57. If 2 pts are given, then there is exactly 1 line thru them.</p> <p>58. If 3 noncollinear points are given, then there is exactly 1 plane that contains them.</p> <p>59. All integers that are divisible by 8 are divisible by 2.</p> <p>60. No triangles are squares. ...or No squares are triangles.</p> <p>61. Some students are musicians. ...or Some musicians are students.</p>
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Homework Answers

p. 71, #1-35 odd, 41-47 odd, 51, 54-61

p. 66, #1-20

Pg 66

1. 50

2. -3

3. $25\frac{1}{2}$

4. 10.5

5. 15

6. 11

7. 20

8. -5

9. -4

10. 5

11. 6

12. 7

13. 18

14. $\angle ACD$, $\angle DCA$

15. C

16. 3

17. $\angle ADB$, or $\angle BDA$

18. Segment CD

19. 45

20. 48, 42