

Florida Geometry
Chapter 2 - Get Ready Solutions

1. $9x - 13 = 9(7) - 13 = 63 - 13 = 50$

2. $90 - 3x = 90 - 3(31) = 90 - 93 = -3$

4. $2x - 17 = 4$
 $2x = 21$
 $x = 10.5$

5. $3x + 8 = 53$
 $3x = 45$
 $x = 15$

6. $(10x + 5) + (6x - 1) = 180$
 $16x + 4 = 180$
 $16x = 176$
 $x = 11$

8. $2(x + 4) = x + 13$
 $2x + 8 = x + 13$ (Distribute.)
 $x + 8 = 13$
 $x = 5$

Answers

Get Ready!

1. 50
2. -3
3. 25.5
4. 10.5
5. 15
6. 11
7. 7
8. 5
9. 6
10. 20
11. 18
12. $\angle ACD, \angle DCA$
13. 3
14. $m\angle 1 = 48, m\angle 2 = 42$
15. $\angle ADC$ and $\angle CDB$
16. $\angle 1$ and $\angle 2$

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

18. Answers may vary. Sample: Similar: They are both statements you start with. Different: In geometry you do not try to prove the hypothesis of a statement.

19. Answers may vary. Sample: A conclusion in geometry answers questions raised by the hypothesis.

20. Answers may vary. Sample: In geometry you use deductive reasoning to draw conclusions from other information.