

Geometry ch 8

Review WS 8.1 + 8.2

Answer key

1. $x = \sqrt{51}$

2. $f = \frac{4\sqrt{3}}{3}$

$g = \frac{8\sqrt{3}}{3}$

3. $\cancel{8} = 7\sqrt{2}$
↑
c

4. $b = 2\sqrt{21}$

5. $x = 5$

$y = 5\sqrt{2}$

$z = \frac{5\sqrt{3}}{3}$

$w = \frac{10\sqrt{3}}{3}$

6. $a = 4$

$b = 3$

7. $q = 4\sqrt{3}$

$r = 8$

$p = 4\sqrt{3}$

$A = 4\sqrt{6}$

8. $y = 4\sqrt{7}$

On 11-16, plug in c^2 ? $a^2 + b^2$

If $>$ obtuse
If $<$ acute
If $=$ right

9. $y = 3$

$x = 3\sqrt{3}$

10. $c = 36$

11. acute 12. right

13. obtuse

14. right

15. obtuse

16. acute

17. $d = 30\sqrt{2}$
($45^\circ - 45^\circ - 90^\circ \Delta$)

18. $4.1\sqrt{2}$

not a good
way to leave it,
but it is exact

19. medium $= 6\sqrt{3}$

hypot $= 12$

20. (use $A = bh$... don't know anything about d_1, d_2)

$A = 98\sqrt{3} \text{ in}^2$