

Algebra Unit 8--STUDY GUIDE

Answer Section

1. ANS:

$$8\sqrt{17c} + 3\sqrt{14a}$$

REF: Lesson 10-3

2. ANS:

$$2\sqrt{3b} + 3\sqrt{10h}$$

REF: Lesson 10-3

3. ANS:

1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225, 256, 289, 324, 361, 400

4. ANS:

$$\frac{|x|\sqrt{3}}{6}$$

5. ANS:

$$10\sqrt{3}$$

REF: Lesson 10-2

6. ANS:

$$\sqrt{221}$$

REF: Lesson 10-2

7. ANS:

$$\frac{10(9 - \sqrt{10})}{71}$$

REF: Lesson 10-2

8. ANS:

$$\frac{4(6 - \sqrt{3})}{33}$$

REF: Lesson 10-2

9. ANS:

$$24t^2 + 52tv + 24v^2$$

REF: Lesson 7-7

10. ANS:

$$25r^2 - 60r + 36$$

REF: Lesson 7-8

11. ANS:

$$2\sqrt{y}$$

12. ANS:

$$\frac{3\sqrt{13}}{13}$$

REF: Lesson 10-2

13. ANS:

$$\frac{4\sqrt{5}}{5}$$

REF: Lesson 10-2

14. ANS:

$$\frac{\sqrt{77}}{7}$$

REF: Lesson 10-2

15. ANS:

$$\frac{\sqrt{70}}{5}$$

REF: Lesson 10-2

16. ANS:

1, 8, 27, 64, 125

17. ANS:

$$6zy^2\sqrt{2}$$

REF: Lesson 10-2

18. ANS:

$$2d^2c^3\sqrt{2}$$

REF: Lesson 10-2

19. ANS:

$$5x^{10}y^{18}\sqrt{2x}$$

REF: Lesson 7-5

20. ANS:

$$7xy^2$$

21. ANS:

$$5p^4r$$

22. ANS:

$$y = -x + 6$$

REF: Lesson 4-3

23. ANS:
(-6, -1)

REF: Lesson 6-3

24. ANS:
(19, 17)

REF: Lesson 6-4

25. ANS:
 a^6b^8

REF: Lesson 7-1

26. ANS:
 $216g^9h^9$

REF: Lesson 7-1

27. ANS:
$$\frac{20n^9p^2}{m^4}$$

REF: Lesson 7-2

28. ANS:
$$\frac{22n^9p^2}{m^6}$$

REF: Lesson 7-2

29. ANS:
 a^7b^{10}

REF: Lesson 7-1

30. ANS:
 $16g^{12}h^{12}$

REF: Lesson 7-1

31. ANS:
 $-6p^2 - 7q^2 + 13p - q$

REF: Lesson 7-5

32. ANS:
 $-3a^2 + 12a + 8$

REF: Lesson 7-5