ACTIVITY ANSWER KEY

Chapter 5, Section 3

Check your answers from the Answer Key.
Correct all errors, then complete your next goal.

Lesson 11: *Algebra*
Distribute Fractions

1. extend
2. simplify
3. $3(x + 3)$
4. $5(x - 1)$
5. 3
6. 9
7. 5
8. $5x$
9. (c) $\frac{2x+4}{3x-6}$
10. $\frac{9x+18}{4x+4}$
11. $\frac{2x+14}{8x-24}$
12. $\frac{5x-15}{6x-12}$
13. $2[3(x + 1) - 2]$
14. $3[x(x - 1) + x]$
15. 3
16. 2
17. 6
18. (a) $\frac{6x-6}{2x^2-2x}$
19. $\frac{12x-4}{6x-6}$
20. $\frac{10x+2}{7x^2}$
21. $\frac{16x+10}{5x^2+5x+10}$
22. $\frac{20x+24}{3x^2-3x}$
23. x^2
24. 0
25. *"It's never too late–in fiction or in life–to revise."*

Lesson 12: *Algebra*
Subtract Binomials

1. promise
2. promise
3. vow (or promise)
4. solemn
5. subtraction
6. subtracted
7. $-3x - 2$
8. 1
9. same
10. $5x + 2$
11. -1, -1
12. $4x + 1$
13. $-3x + 3$
14. $4x + 5$
15. subtracting; $4x$ (or 4)
16. positive
17. (c) $7x + 1$
18. $x + 1$
19. $2x + 1$
20. (b) $6x + 1$
21. $x + 3$
22. $10x - 4$
23. $3a + 5b$
24. $2a + 2b$
25. *"The key to a person's dreams lies within."*

Lesson 13: *Algebra*
Subtract Trinomials

1. Subtraction
2. subtracted
3. rearrange

©Copyright 2005, Paradigm Accelerated Curriculum

4. $-5x + y + 8$
5. $10x$
6. $10x + y + 1$
7. 1
8. variable; coefficients
9. $(2 - 1)x$
10. $x + 3y + 11$
11. (a) $7x + 5y + 1$
12. (e) none of these
13. $2x + 5y$
14. $6x + 2y + 1$
15. $x + 4y + 3$
16. $10x + 10y - 4$
17. $3a + 5b + 4c$
18. $2a + 3b + c$
19. $6a + 4b + 9c$
20. *"There is no pillow so soft as a clear conscience."*

Lesson 14: *Algebra*
Subtract More Trinomials

1. (a) added
2. $-2a - 5b - 5c$
3. 1
4. Commutative Property
5. $(12 - 5)b$
6. $3a + 7b + 3c$
7. dropped
8. -1
9. y
10. 1
11. (d) $7x + 1$
12. (d) $x^2 + 1$
13. $2a + b + 1$
14. $10x + 1$
15. $6x - 3y + 7z$
16. $a + b + 6c$
17. $10x - 16y + 2$
18. $3a + 5b + 2c$
19. $2a + 2b + c$
20. *"Perseverance is not a long race; it is many short races one after another."*

Lesson 15: *Algebra*
Add & Subtract Polys

1. trinomial
2. Commutative
3. $(8 + 3)x^3$
4. $5x^2$
5. $11x^3 + 5x^2 + 5x + 6$
6. (d) $7a + 9b + 3c + 4d$
7. $3a + 5b + 7c + 9d$
8. (b) $7x + 5y + 3z + 2$
9. $44x + 30y + 30z + 10$
10. difference
11. -1
12. $-3x^3 - 2x^2 - 4x - 2$
13. $(8 - 3)x^3$
14. $(3 - 2)x^2$
15. $(1 - 4)x$
16. $5x^3 + x^2 - 3x + 2$
17. $3x^3 + x^2 + 3x - 3$
18. $a + b + 4c + d$
19. $2x^5 + x^4 + x^3 + 1$
20. *"First mend yourself, and then mend others."*

Ask for your QUIZ over Section 3.
Reminder: Students who score 85% or higher on the three section quizzes may be exempt from the chapter test!

©Copyright 2005, Paradigm Accelerated Curriculum