SECTION QUIZ 5-3



Remember:
Score an 85% or higher on all three quizzes and you may be exempt from the chapter test!



Congratulations! You have completed this section!
Answer the following questions to test your understanding of the material. When you are finished, hand in your quiz to your teacher. Each answer is worth 2.9 points.

Simplify the following fractions.

1. $\frac{3(x+2)}{4(x-1)}$

2. $\frac{5(x+3)}{3(x+1)}$

3. $\frac{2(x+3)}{7(x-2)}$

4. $\frac{7(x-2)}{11(x-1)}$

5. $\frac{5[2(x+2)-3]}{2[3x(x-1)+2x]}$

6. $\frac{4[2(x-1)+3]}{3[3x(x-2)+4]}$

Subtract the following binomials. Show your work and write the answer on the blank.

7. $(4x + 5) - (2x + 1) =$ _____

8. $(7x + 6) - (4x + 3) =$ _____

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9. $(8x + 8) - (2x + 6) =$ _____

10. $(35x - 36) - (25x - 32) =$ _____

11. $(81a + 10b) - (73a + 6b) =$ _____

12. $(22a + b) - (11a + b) =$ _____

Subtract the following binomials and trinomials. Show your work and write the answer on the blank.

13. $(9x + 3) - (2x - 5y + 2) =$ _____

14. $(4x + 7) - (2x + 5y + 2) =$ _____

15. $(17x - 12) - (6x - 5y - 8) =$ _____

16. $(4a + 6b + 3c) - (3a + 5b) =$ _____

17. $(23a + 23b + 24c) - (13a + 23c) =$ _____

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18. $(6a + 6b + 6c) - (3a + 6b) =$ _____

Subtract the following trinomials. Show your work and write the answer on the blank.

19. $(6x + 2y + 3) - (2x + y + 3) =$ _____

20. $(3x^2 + x + 4) - (3x^2 + x + 4) =$ _____

21. $(7a + 4b + 7) - (5a + 3b + 5) =$ _____

22. $(25x - 10y - 17) - (15x - 5y - 18) =$ _____

23. $(12x - 5y + z) - (6x - 2y - 6z) =$ _____

24. $(12a - 2b + 2c) - (8a - 5b - 4c) =$ _____

25. $(35x - 26y - 20) - (15x - 20y - 24) =$ _____

Add the following polynomials.

26. $(5a + 4b + 2c + 2d) + (3a + 2b + c + d) =$ _____

(a) $8a + 6b + 3c + 3d$ (c) $3c + 3d + 8a + 6b$ (e) none of these

(b) $6b + 3c + 3d + 8a$ (d) a, b or c

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27. $(2a + 6b + 4c + 7d) + (a + 2b + c + d) =$ _____

28. $(14x + 15y + 10z + 3) + (20x + 15y + 30z + 17) =$ _____

Subtract the following binomials. Show your work and write the answer on the blank or select the correct response.

29. $(7x^3 + 3x^2 + x - 1) - (6x^3 + 2x^2 - 2x + 1) =$ _____

(a) $x^3 + x^2 + 3x - 2$ (c) $x^3 + 5x^2 - x$

(b) $13x^3 + 5x^2 - x$ (d) none of these

30. $(2a + 2b + 2c + 2d) - (2a + 4b + c + d) =$ _____

Match the following Life Principles.

31. _____ *"It's never too late—*	(a) *lies within."*
32. _____ *"The key to a person's dreams*	(b) *as a clear conscience."*
33. _____ *"Perseverance is not a long race;*	(c) *it is many short races one after another."*
34. _____ *"First mend yourself,*	(d) *then mend others."*
35. _____ *"There is no pillow so soft*	(e) *in fiction or in life—to revise."*

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