# *SECTION QUIZ 5-2*





**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 2.2 points.***

**Identify each of the following polynomials by writing its mathematical name (monomial, binomial, trinomial, polynomial of four terms, etc.) on the blank provided.**

**1.** $343x$ _____

**2.** $x - 9$ _____

**3.** $2x - 5y + 27z$ _____

**4.** $a + 2b + 3c - 4d + 5e - 9f + 11g - h + 45$ _____

**5.** $x$ _____

**6.** $5x^2y^3z$ _____

**7.** $3x + 4y + 2z$ _____

**8.** $6a - 5b + 11c + 2d - 6e + 64f + 7$ _____

**9.** $2a + 3b - 4c + 5d$ _____

**10.** $41xy$ _____

**11.** $45$ _____

**12.** $13x^2 + 2x - 4$ _____

**13.** $9x^3 - 3x^2 + 25x - 98$ _____

**14.** $4x^2 + 2xy + 4y^2$ _____

**15.** $5x^2 - 5y^2$ _____

**Add the following polynomials. Show your work and write your answers on the blanks.**

**16.** $(3x + 12) + (2x + 5) =$ _____

(a) $6x + 60$ (b) $5x + 7$ (c) $5x + 17$ (d) $x + 7$

**17.** $(9x + 4) + (2x + 18) =$ _____

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**18.** $(25x + 45) + (15x - 15) =$ _____

**19.** $(x + 1) + (4x + 8) =$ _____

**20.** $(3x + 1) + (2x + 6) =$ _____

**21.** $(x + 2) + (x + 2) =$ _____

**22.** $(2x^2 + 11x) + (2x^2 + 13x) =$ _____

**23.** $(20x^2 + 10x) + (21x^2 + 23x) =$ _____

**Add the following binomials and trinomials. Show your work and write your answers on the blanks.**

**24.** $(10x - 3) + (2x - 2y + 2) =$ _____

**25.** $(31x + 4) + (22x + 21y - 18) =$ _____

**26.** $(50x - 20) + (50x + 13y + 60) =$ _____

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**27.** $(x + 1) + (x + y + 1) =$ _____

**28.** $(3x - 1) + (8x - 2y + 6) =$ _____

**29.** $(3a + 17) + (4a - 2b - 17) =$ _____

**30.** $(30a + 20b) + (20a - 20b + 90) =$ _____

**31.** $0x + 0y + z =$ _____

(a) $x$ (b) $y$ (c) $x + y + z$ (d) $z$ (e) 3 (f) 1

**32.** $(8a + 8b + 8c) + (a + b + c) =$ _____

**33.** $(2a + 5b - 4c) + (2a - 3b + 9c) =$ _____

**34.** $(3x + 2y + z) + (2x + 5y + z) =$ _____

**35.** $(9x + 4y + 2z) + (8x + 5y + 3z) =$ _____

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**Simplify the following using the Distributive Property. Show your work in the space provided and write your answer on the blank.**

**36.** $5(6 + 8)$ _____

**37.** $2(3 + 5)$ _____

**Simplify the following algebraic expressions. Show your work and write your answer on the blank.**

**38.** $2(x + 3)$ _____

**39.** $5(2x + 6)$ _____

**40.** $7(3x + 3)$ _____

**Match the following Life Principles.**

| | |
|---|---|
| **41.** _____ *"Patience* | (a) *90 percent how I react to it."* |
| **42.** _____ *"From the little spark* | (b) *is the companion of wisdom."* |
| **43.** _____ *"He who is caught in a lie* | (c) *is like a bell that calls many to church."* |
| **44.** _____ *"A good example* | (d) *is not believed when he tells the truth."* |
| **45.** _____ *"I am convinced that life is 10 percent what happens to me and* | (e) *may burst a mighty flame."* |

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