

# Chapter 4 - Exponents and Polynomials

## Chapter 4 - Sample Test

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			ANSWERS
1.	<a href="#">Section 4.6</a>	Divide: $\frac{3x^4 - 6x^3 + 7x^2}{x}$	1. _____
2.	<a href="#">Section 4.1</a>	Cube: $5p^2$	2. _____
3.	<a href="#">Section 4.2</a>	State the degree of $5p^4 - 2p + 6p^5 + 2$ .	3. _____
4.	<a href="#">Section 4.3</a>	Find the sum of $b^2 + 1$ and $b^3 - b^2 - 5$ .	4. _____
5.	<a href="#">Section 4.5</a>	Find the product: $(z^2 - 1)(z + 3)$ .	5. _____
6.	<a href="#">Section 4.5</a>	Multiply: $4x^2(3x - 5)$ .	6. _____
7.	<a href="#">Section 4.1</a>	Find the quotient: $\frac{32x^4}{16x}$	7. _____
8.	<a href="#">Section 4.6</a>	$m - 1 \over) m^3 + 1$	8. _____
9.	<a href="#">Section 4.7</a>	Write in scientific notation: 43,718.	9. _____
10.	<a href="#">Section 4.2</a>	Determine the degree of the polynomial: $2t^2u^3 - 4t^4u^3 + 12tu^2 + 19$	10. _____
11.	<a href="#">Section 4.2</a>	Write in descending order: $4 - 3q^2 + q^3 - q$ .	11. _____
12.	<a href="#">Section 4.2</a>	Evaluate $x^4 - 2x^3 + x^2 - 9$ where $x = -3$ .	12. _____

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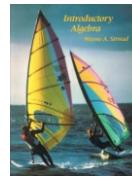
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			ANSWERS
13.	<a href="#">Section 4.3</a>	Find the sum: $\begin{array}{r} 4x^5y^5 \\ + x^4y^3 \\ \hline -12x^5y^5 - 6x^4y^3 \end{array}$ _____	13. _____
14.	<a href="#">Section 4.5</a>	Find the product: $(3ab + 2)(2ab - 3)$	14. _____
15.	<a href="#">Section 4.5</a>	Square: $(3p + 1)^2$ .	15. _____
16.	<a href="#">Section 4.4</a>	Subtract $2r^3 + 3r^2 - 1$ from $7r^3 - 6r^2 + r + 3$	16. _____
17.	<a href="#">Section 4.7</a>	Write with positive exponents: $\frac{3^{-2}x^{-3}}{xy^{-3}}$	17. _____

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Chapter 4 of this algebra math book has 7 sections.

To get started, you might like to take a free test just to see what areas you might need to study. Here is the link.

- [Sec4.1](#)      Section4.1-Positive Integral Exponents
- [Sec4.2](#)      Section4.2-Polynomials
- [Sec4.3](#)      Section4.3-Addition of Polynomials
- [Sec4.4](#)      Section4.4-Subtraction of Polynomials
- [Sec4.5](#)      Section4.5-Multiplicaton of Polynomials
- [Sec4.6](#)      Section4.6-Division of Polynomials
- [Sec4.7](#)      Section4.7-Negative and Zero Exponents

For a complete list of objectives in this chapter visit the [List of Objectives](#).