

NAME	DATE	CLASS
SAMPLE TEST		
1. SECTION 4.6	Divide: $\frac{2x^3 - 4x^2 - 7x}{x}$.	1. _____
2. SECTION 4.1	Cube: $3t^4$.	2. _____
3. SECTION 4.2	State the degree of $2p^4 - 3p + 2p^3 - 1$.	3. _____
4. SECTION 4.3	Find the sum of $8q^3 - 1$ and $2q^3 - q + 9q^2 + 8$.	4. _____
5. SECTION 4.5	Find the product: $(x^2 + 3)(x + 5)$.	5. _____
6. SECTION 4.5	Multiply: $9z^2(4z - 5)$.	6. _____
7. SECTION 4.1	Find the quotient: $\frac{81r^4}{9r^3}$.	7. _____
8. SECTION 4.6	$x - 1 \overline{)x^3 + 1}$	8. _____
9. SECTION 4.7	Write in scientific notation: 87,612.	9. _____
10. SECTION 4.2	Determine the degree of the polynomial: $2r^2s^3 - 3r^4s^3 + 9rs^2 + 17$.	10. _____
11. SECTION 4.2	Write in descending order: $1 + 2x^3 - 5x^2 + x$.	11. _____
12. SECTION 4.2	Evaluate $x^3 + 2x^2 - 2x + 4$, where $x = -2$.	12. _____
13. SECTION 4.3	Find the sum: $\begin{array}{r} 15x^5y^5 & - 3x^4y^2 & - 9 \\ & + 2x^4y^3 & + 8 \\ & & - 2xy + 7 \\ \hline -19x^5y^5 & - 2x^4y^3 & + 2xy \end{array}$	13. _____
14. SECTION 4.5	Find the product: $(3xy + 1)(2xy - 4)$.	14. _____
15. SECTION 4.5	Square $(5n + 2)^2$.	15. _____
16. SECTION 4.4	Subtract $3r^3 + 2r^2 - r + 1$ from $8r^3 - 12r^2 + 18r$.	16. _____
17. SECTION 4.7	Rewrite with positive exponents: $\frac{5^{-2}x^{-3}}{xy^{-2}}$.	17. _____

ANSWERS

