

Algebra I Class Worksheet #6 Unit 10 _____

Perform the indicated division problems.

1. $(9x^4) \div (3x^3) =$ _____

2. $(-28x^6) \div (7x^2) =$ _____

3. $(15x^3 - 10x^2 + 25x) \div (5x) =$ _____

4. $(54x^4 + 36x^3 - 27x^2) \div (9x^2) =$ _____

5. $(x^4 - 2x^3 + 3x^2) \div (x^2) =$ _____

6. $(2x^3 + 13x^2 + 21x + 9) \div (2x + 3) =$ _____

7. $(2x^4 + 5x^3 - 6x^2 - 7x + 6) \div (x^2 + 2x - 3) =$ _____

8. $(5x^4 + 13x^3 - 26x^2 + 18x - 4) \div (5x - 2) =$ _____

9. $(x^5 - 3x^4 + 4x^3 + 3x + 27) \div (x^2 + 3) =$ _____

10. $(x^6 - 64) \div (x^3 - 4x^2 + 8x - 8) =$ _____