

Algebra I Worksheet #11 Unit 10 _____

Perform the indicated division problems. For the long division problems, #8 thru #11, show your work neatly organized.

1. $24x^5 \div 8x^3 =$ _____

2. $10x^5 \div 5x^4 =$ _____

3. $8x^8 \div 2x^2 =$ _____

4. $-27x^5 \div -9x^5 =$ _____

5. $(25x^5 - 15x^4 + 30x^3) \div 5x^3 =$ _____

6. $(54x^3 - 72x^2 + 36x) \div (-18x) =$ _____

7. $(6x^4 + 27x^3 - 3x^2) \div (-3x^2) =$ _____

8. $(2x^3 - 3x^2 - x + 12) \div (2x + 3) =$ _____

9. $(4x^3 - 4x^2 - 25x + 25) \div (2x - 5) =$ _____

10. $(x^4 + 3x^3 - x - 3) \div (x^2 + x + 1) =$ _____

11. $(12x^3 - 20x^2 - 27x + 45) \div (6x^2 - x - 15) =$ _____