Algebra I   Worksheet #10   Unit 10   _____

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

1. $(25x^8) \div (5x^2) =$ _____

2. $(36x^6) \div (4x^4) =$ _____

3. $(-45x^4) \div (-9x^4) =$ _____

4. $(60x^8) \div (-15x^3) =$ _____

5. $(-35x^9 - 42x^6 + 63x^3) \div (-7x^3) =$ _____

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

7. $(-12x^6 + 56x^5 - 4x^4) \div (-4x^4) =$ _____

8. $(4x^3 + 4x^2 - 13x + 5) \div (2x - 1) =$ _____

9. $(x^4 + 5x^3 - 13x^2 + 34x - 12) \div (x^2 - 2x + 4) =$ _____

10. $(x^3 - 6x^2 + 12x - 8) \div (x - 2) =$ _____

11. $(x^6 - 64) \div (x + 2) =$ _____