

**Problems 1-7: Divide by using long division.**

1.  $(6x^3 + 26x^2 + 3x - 2) \div (x + 4)$

2.  $(3x^3 + 11x^2 + 2x - 16) \div (x + 2)$

3.  $(8x^4 + 6x^2 - 2x + 4) \div (2x - 1)$

4.  $(x^3 - 3x^2 + 8) \div (x + 2)$

5.  $(x^4 - 9x^2 - 5) \div (x - 2)$

6.  $(4x^3 + 8x^2 - 2x - 5) \div (2x^2 - 1)$

7.  $(x^3 - 11x^2 - 6x + 6) \div (x^2 - 3)$