Math 140 – Pre-Calculus   Name_____
Section 2.4 Video Worksheet
                          Dividing Polynomials – Factors and Remainder Theorems

Remainder and Factor Theorems for polynomials

Remainder theorem –

Factor theorem -

Long Division

$$\frac{6x + 4x^4 - 4x^2 + 3}{x - 4}$$

Synthetic Division

$$\frac{6x+4x^4-4x^2+3}{x-4}$$

$f(x)=6x^5-2x^3+4x^2-3x+1$ find $f(2)$