**Review for Quiz#2 on Difference quotient and power rule**

1. Use the difference quotient to find the derivative of *f*(*x*) = *x*2 + *x*
2. Find the derivative of:
3. *g*(*x*) = 2*x*11 – 3*x*14 – 5*x* + 18
4. *h*(*x*) = $\frac{3^{}}{2x^{4}}+3x$
5. If *j*(*x*) = 2*x*2 – 2*x* + 8, use the difference quotient to find the *j* *‘* (*x*)