## Calculus Worksheet \#2 Unit 2 page 1

Write the equation of any line that contains the given point and is tangent to the given function. Give the point of tangency with each equation.

1. $(2,3) ; f(x)=x^{2}$
2. $(3,0) ; f(x)=x^{2}-4 x+4$
3. $(1,-2) ; f(x)=x^{2}-2 x+3$

## Calculus Worksheet \#2 Unit 2 page 2

Write the equation of any line that contains the given point and is tangent to the graph of the given function. Give the point of tangency with each equation.
4. $(-1,5) ; f(x)=x^{3}-4 x^{2}+x+2$
5. $(2,-5) ; f(x)=x^{3}-6 x^{2}+4 x+1$
6. $(-3,-6) ; f(x)=x^{3}+3 x^{2}+5 x+5$

