Name:
AP Calc AB: Practice with Derivative Definition

Date:
Ms. Loughran

1. Given $f(x)=x^{2}+4 x+9$, find the equation of the tangent line drawn to $f(x)$ at $x=1$.
2. Given $g(x)=2 x^{2}-3 x+5$, find the equation of the normal line drawn to $g(x)$ at $x=1$.
3. Given $f(x)=-x^{2}+2 x-3$, find the equation of the tangent line drawn to $f(x)$ at $x=2$.
