Name_____ No Calculators. Present neatly. Score_____.

Use the limit definition to find the derivative function $f'(x)$ of the function $f(x)=\frac{1+x}{1-x}$. Use the result to find the equation of a tangent line to the graph of $f(x)$ at $x=-1$.

Your work:

Name_____ No Calculators. Present neatly. Score_____.

Use the limit definition to find the derivative function $f'(x)$ of the function $f(x)=\frac{2-x}{2+x}$. Use the result to find the equation of a tangent line to the graph of $f(x)$ at $x=-1$.

Your work: