

Name_____ **No Calculators. Present neatly. Score**_____.

Use either limit definition of slope at a point to find an equation of the tangent line to

the graph of $f(x) = \frac{2+x}{5-3x}$ at the point (2, -4).

Sketch the tangent line and the graph of $f(x)$ in the same plot.

Your work:

Name_____ **No Calculators. Present neatly. Score**_____.

1. Use either limit definition of slope at a point to find an equation of the tangent line

to the graph of $f(x) = \frac{1+x}{1-x}$ at the point $(0, 1)$.

Sketch the tangent line and the graph of $f(x)$ in the same plot.

Your work: