Read each problem very carefully before starting to solve it. Each problem is worth around 5 points. It is necessary to show all your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. [4 points] Use the limit definition of the derivative to find an equation for the tangent line to $f(x)=\sqrt{1-2 x}$ at $x=-4$.
2. [6 points] Compute the derivatives. Please show all steps so I can follow comfortably.
(a) $\left(2 x^{3}-7 x^{2}+3 x-11\right)^{\prime}=$
(b) $\left(16 \sqrt{x^{5}}-\frac{4}{3 \sqrt{x^{3}}}\right)^{\prime}=$
