

Written Homework Problems §2.1

12 problems for 24 points

§2.1 # 7,8,9,13,14,15,18*,19*,22*,23*

* For these problems, make sure you include units with your answers.

Problem A: Draw the graph of $f(x) = \sqrt{x}$. Add to this graph the secant line between $P(4, 2)$ and $Q(4.1, f(4.1))$ and label it **secant**. Add to this graph the tangent line you found from problem #9 and label it **tangent**.

Problem B: Draw the graph of $f(x) = 1/x$. Add to this graph the secant line between $P(-1, -1)$ and $Q(-1.05, f(-1.05))$ and label it **secant**. Add to this graph the tangent line you found from problem #15 and label it **tangent**.