

## 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  $P$  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  $P$  and  $Q(-1.05, f(-1.05))$  and label it **secant**. Add to this graph the tangent line you found from problem #9 and label it **tangent**.