Section 2.1: Tangent and Velocity Problems

(1) What is a tangent line?

(2) What is a secant line? How do we find their slope?

(3) How can we use secant lines to help us find the slope of tangent lines?

(4) What is instantaneous velocity? How is it related to average velocity? To tangent lines?

Important formulas to know from this section:

Slope of secant line/average velocity:

Slope of tangent line/instantanous velocity:

Suggested Practice Problems: 2.1: 3, 5, 8