

MATH 2010AB HW3 Due date: Oct 3, 2024 (at 11:00 am)

(Refer to Textbook: Thomas' Calculus, 15th Ed, SI units, Pearson 2023)

§10.2 Q18, (slope of the curve = slope of the tangent line of the curve)

Q28, 30

§10.3 Q36, 42, 52

§10.4 Q14, 28

§12.3 Q4, 6 (unit tangent vector =  $\frac{\vec{x}'(t)}{\|\vec{x}'(t)\|}$ )

(End)