



NAME _____

DATE _____

WEEK: _____

PROBLEM: _____

GIVEN:

The angle θ measures the direction of the unit vector \mathbf{e} relative to the x axis. The angle θ is given as a function of time by $\theta = 2t^2$ rad. What is the vector $d\mathbf{e}/dt$ at $t = 4$ s?

REQUIRED:**SOLUTION:**