

MATH 102 - 14 (SPRING 2024)
QUIZ 3

Full name: _____ Student number: _____

Total: ____ / 10 pts.

- (1) Find the length of the curve $r(t) = \langle e^t \cos t, e^t \sin t \rangle$ from the point $(1, 0)$ to the point $(-e^\pi, 0)$.
- (2) Find a non-zero vector orthogonal to both $r(t) = \langle \cos t, \sin t, t \rangle$ and $r'(t)$.

Solution.