

Name : _____

Consider the parametric curve $\Gamma : \begin{cases} x = t^2 \\ y = t^3 - 3t \end{cases}$.

a. Find the points on Γ where the tangent is horizontal or vertical.

b. Determine where Γ is concave upward or downward.

- c. Find the area enclosed by Γ and the x -axis