Practice worksheet | Vector calculus

Bézier paths

Name: _____ Date: _____

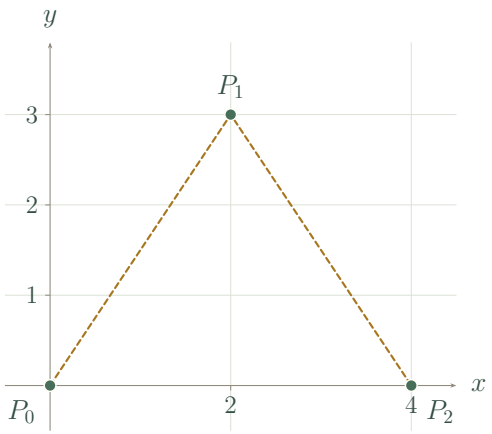
6 questions | 12 marks

1. Find endpoints for quadratic controls $(1, 2)$, $(4, 5)$, $(6, 1)$. [2 marks]

2. Find $B\left(\frac{1}{2}\right)$ for quadratic controls $(0, 0)$, $(2, 4)$, $(6, 0)$. [2 marks]

3. Find endpoint derivatives for quadratic controls $(1, 1)$, $(2, 4)$, $(5, 2)$. [2 marks]

4. Expand the quadratic rule with controls $(0,0)$, $(2,3)$, $(4,0)$. [2 marks]



5. For a cubic with $P_0=(0,0)$, $P_1=(2,0)$, find its initial derivative. [2 marks]

6. Show quadratic Bézier weights sum to 1. [2 marks]