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 (1/2) 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]