

After the AP Exam Projects

Name _____

Euler's Method: 50 points

a) 4 spreadsheets: correct formulas, correct estimations: 20 points _____

b) Verification: 15 points _____

c) Graph: 10 points _____

d) Error Analysis: 5 points _____

TOTAL _____

Weather Patterns: 100 points

#	Pts. Possible	Pts. Earned	Comment (why points were lost)
1	6		
2	3		
3	3		
4	3		
5	12		
6	6		
7	6		
8	12		
9	6		
10	6		
11	9		
12	6		
13	4		
14	6		
15	9		
16	3		

TOTAL _____

Implicit Differentiation: 100 pts

Objective	Pts. Possible	Pts. Earned
Graph accuracy (10); Window (10)	20	
Differentiation (15); Simplified answer (5)	20	
Horizontal tangent lines: Coords (15); Graphs (5)	20	
Vertical tangent lines: Coords (15); Graphs (5)	20	
Discussion at origin: Concl (10), Use of calculations (10)	20	

TOTAL _____**Graph Behavior: 100 points**

Objective	Pts. Possible	Pts. Earned
Calculate $f'(10)$; $f''(10)$	20	
Graphs of f, f', f'' (5, 5, 5) Window (5)	20	
Intercepts, Corners/cusps, Vertical Tangents (2.5 each)	10	
Asymptotes, End-behavior (used limits) (5, 5)	10	
Rel min (5); rel max (5); abs ext (5); pts of inflect (5)	20	
Increase/decrease intervals (5, 5)	10	
Concavity intervals (5, 5)	10	
Difficulty (Bonus)	3 6 10	

TOTAL _____**Flatland Questions: 50 points****TOTAL** _____