

# Dilemma at Crocodile Chasm Rubric

Team Members: \_\_\_\_\_ School: \_\_\_\_\_

1. Specified optimal angle of elevation (3pt) \_\_\_\_\_  
Justified angle choice (3pt) \_\_\_\_\_
2. Recorded velocity of each team member (6pt) \_\_\_\_\_
3. A)  $t$  for  $Y=0$  is provided (3pt) \_\_\_\_\_  
Work shown / correct labels used (3pt) \_\_\_\_\_  
B)  $X$  for  $t$  in part (A) (3pt) \_\_\_\_\_  
Work shown / correct labels used (3pt) \_\_\_\_\_  
C)  $t$  at vertex (3pt) \_\_\_\_\_  
Work shown / correct labels used (3pt) \_\_\_\_\_  
D)  $X$  at vertex (3pt) \_\_\_\_\_  
Work shown / correct labels used (3pt) \_\_\_\_\_  
E)  $Y$  at vertex (3pt) \_\_\_\_\_  
Work shown / correct labels used (3pt) \_\_\_\_\_  
F)  $t$  at  $X=18\text{ft}$  (3pt) \_\_\_\_\_  
Work shown / correct labels used (3pt) \_\_\_\_\_  
G)  $Y$  when  $X=18\text{ft}$  (3pt) \_\_\_\_\_  
Work shown / correct labels used (3pt) \_\_\_\_\_  
H) Explanation of success/failure (6pt) \_\_\_\_\_  
I) Graphs labeled appropriately (3pt) \_\_\_\_\_  
Graphs included three  $(X,Y)$  points (3pt) \_\_\_\_\_

**TOTAL:** \_\_\_\_\_ / 66