

Checkup2D

Name: \_\_\_\_\_

While working through the Danger Dan Investigation for lesson 2D you were able to:

- Calculate average rates of change graphically
- Estimate instantaneous rates of change graphically and numerically (from a table)
- Calculate instantaneous rates of change analytically (using a function and performing algebra)

1. How could you graphically find Danger Dan's average speed for some time interval during his trip?

2. What would be the general formula for the function that would calculate Danger Dan's average speed for any time interval during his trip?

3. How could you graphically find Danger Dan's instantaneous speed at any time during his trip?

4. What would be the general formula for the function that would calculate Danger Dan's instantaneous speed at any time during his trip?