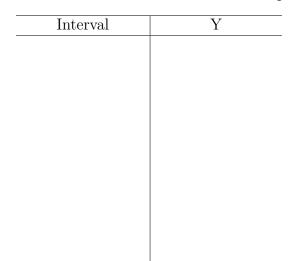
Math 108-01		Name:	
Summer 2024	Quiz 3	Number:	
Dr. Lily Yen	Show all your work	Signature:	
Lisa Lajeunesse		Score:	/10

**Problem 1**: Suppose that the height above street level of a water balloon t seconds after it was thrown off Fir building's office is given by  $s(t) = -4.9t^2 + 2t + 13$  metres. Use a permissible graphing calculator (TI83, TI83+, TI84-Plus) to make a table of values for the average velocity of the water balloon to estimate the instantaneous velocity of the water balloon **three** seconds after it was thrown. Clearly state your  $Y_1$  and  $Y_2$  from your graphing calculator. Provide at least 4 decimal places.



Score: /4

**Problem 2**: Answer the following questions according to the graph of y = f(x) as shown. Note one hollow dot at (-2, 1) and one solid dot at (-2, -3).

