

IM 2 Unit 3: Quadratic Functions CFA Version 1

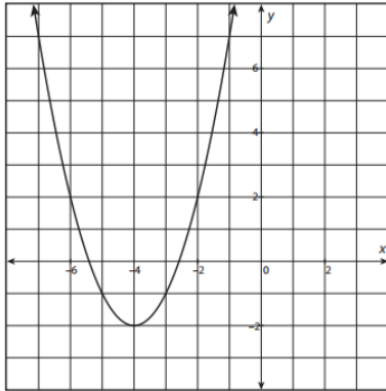
Name: _____ Date: _____

Learning Target #1: F.IF.6: I can calculate, estimate, and interpret the average rate of change of a function over a specified interval.

1. Calculate the average rate of change for the functions below on the interval $[-4, -2]$. 6 pts. ___

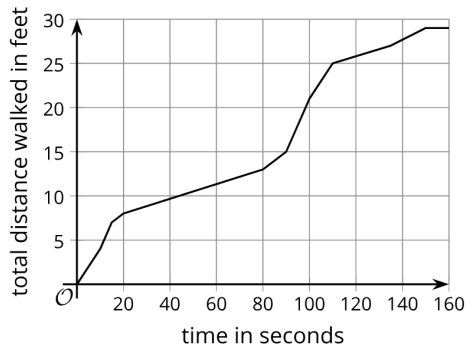
a. $f(x) = 2(x - 1)^2 - 4$

b.



2. The graph below shows the total distance, in feet, walked by a person as a function of time, in seconds.

4 pt(s). ___



A. Was the person walking faster between 20 and 40 seconds or between 80 and 100 seconds?

B. Was the person walking faster between 0 and 40 seconds or between 40 and 100 seconds?

Student Reflection: IM 2 Unit 3: Quadratic Functions

For this learning target, record your points earned on the CFA, and then decide how well you understand this learning target.

Standard	Learning Target	Points Earned	Percentage	Room to Grow? (Circle yes or no.)
F.IF.6	I can calculate, estimate, and interpret the average rate of change of a function over a specified interval	_____ Out of 10		Yes No

What are your strengths on this learning target? (I did well with...)

What are my areas for growth? (I am still learning...)

What is your learning goal and/or plan? (My goal/plan is to...)

Answer Key

1. a) -15; b) 2
2. a) faster between 80 and 100 seconds
b) faster between 0 and 40 seconds