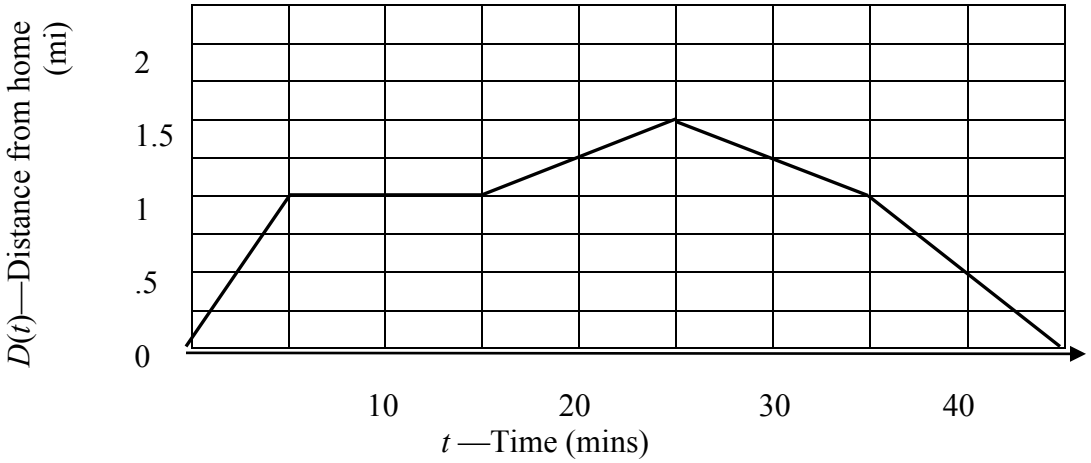
Name _____
Pd _____ Date _____

Part II: Lola's run

Lola, a very good Algebra 1 student, decided to graph the function that represented her distance from home when she went out for a run after school. Shown below is her graph.



7. What do the first coordinates of each point on this graph represent?

8. What do the second coordinates of each point on this graph represent?

9. What is the value of $D(10)$?

10. What does $D(10)$ represent, with units?

11. Use a complete sentence to describe in context the meaning of $D(1)$ in this graph, with units. (Note: you do not need to provide the value for $D(1)$, only its meaning.)

12. What does $D(45)$ represent in context in this graph, with units?

13. For which values of t does D(t) equal 0.5 in this graph, and what is the contextual meaning of your answer

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Name _____
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Part III: Lunch Account Balance

14. Fill in the table below for the function defined by $M(t) = -2t + 10$, where $M(t)$ represents the amount of money left in your lunch account when you started out with \$10 and you spend \$2 each day, and t is the number of days since you started.

t	0	1	2	3	4	5	6	7
$M(t)$								

15. What is the value of $M(2)$?

16. What does $M(2)$ represent, with units?

17. For which value(s) of t does $M(t)$ equal 4 in this graph?

18. For which value(s) of t does $M(t)$ equal 0 in this graph and what is the significance of this value?

19. What is the value of $M(7)$ and what does it represent in context?

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